#### **MU CHUN** 木春电机

**MU CHUN** 木春电机

超高效率 动力强劲 性能稳定

## **MU CHUN MOTOR**



直流无刷减速电机 DC BRUSHLESS GEAR MOTOR

微型交流减速电动机 MICRO AC GEAR MOTOR

中型交流减速电动机 MEDIUM AC GEAR MOTOR

普通铝壳电机 ORDINARY ALUMINUM SHELL MOTOR

四大系列硬齿面减速机 HARD GEAR REDUCER

广东木春电机工业有限公司 GUANGDONG MUCHUN MOTOR INDUSTRY CO., LTD



广东木春电机工业有限公司成立于2017年,基地位于东莞市虎门镇,引进先进自动化生产设备及精密检测设备。 产品覆盖工业自动化、机床、工业机器人、农业机械、太阳能等领域、目前我司开发产品有微型交直流减速电机、直 角减速电机,中型齿轮减速电机,四大系列减速机,铝壳电机,变频调速器,精密行星减速机,中空旋转平台。致力 于为客户提供优质卓越的产品, 为客户解决问题, 为客户创造价值。

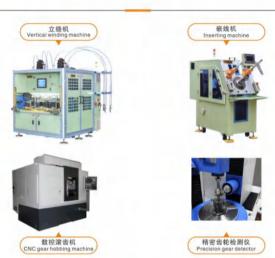
我们在行进的道路上以"勇担重担、追求卓越、引领创新"的企业精神登高望远、恪守"品德至尚、品质精优、品牌 卓越"的企业核心价值观、以"冀重人才、培育人才、人尽其才、共同发展"的人才理念、努力打造一支国际化、专 业化的人才队伍, 为企业的前行提供不竭的动力。

我们渴望合作,渴望共赢,我们不仅要经得起时间的考验,更要与合作伙伴风雨同舟,共谋发展。

Guangdong Mochun Motor Industry Co., Ltd. was founded in 2017, the base is located in Humen town, Dongguan City, the introduction of advanced automated production equipment and precision testing equipment, products covering industrial automation, machine tools, industrial robots, agricultural machinery, solar energy and other fields, our company has developed products such as micro AC and DC gear motor, right Angle gear motor, medium gear motor, Four series reducer, aluminum motor, variable frequency governor, precision planetary reducer, hollow rotating platform. We are committed to providing customers with high quality and excellent products, solving problems for customers and creating value for customers.

We are on the road to "brave to bear the burden, the pursuit of excellence, leading innovation" of the spirit of enterprise, adhere to the "moral character, quality, brand excellence" of the core values of the enterprise, to "respect talent, cultivate talent, make the best of talent, common development' talent concept, and strive to create an international, professional talent team. Provide inexhaustible power for the enterprise to move

We are eager for cooperation and win-win. We should not only stand the test of time, but also work together with our partners to seek common development.





#### 到超低噪音 Ultra-low noise

采用高精度滚齿机和滚刀加工高精度斜齿轮,精度高达IT5~6级; 采用含金钢渗碳热处理、长期运转变形小、精度高。

Using high-precision hobbing machine and hob to process high-precision helical gear, the accuracy is as high as Alloy steel carburizing heat treatment, long-term operation deformation is small, high precision.



#### ◎ 结构牢固 Strong structure

齿轮与轴紧配带键压配结构,连接在冲击负载,正反转运转不易损坏。

直角减速箱采用格雷森弧齿结构, 传动效率高, 无自锁、牢固耐用。

The gear and shaft are tightly matched with the key pressing structure, connected to the impact load, and the positive and negative rotation is not easy to damage. Right-angle gear box adopts Grayson arc tooth structure, high Transmission efficiency, no self-locking, firm and



#### 高可靠性 High reliability

采用F级(155度)H级(180度)耐高温漆包线及绝缘材料,安全余量大。

grade (155 degrees)H grade (180 degrees) high temperature resistant enamelled wire and insulation material, large

#### 高效能电机•高性价比之选

High performance motor · Cost-effective choice



减速电机的齿轮经两次热处理: 两次硬齿面精密磨齿加工: 精度达批量6级, 耐磨层达+-1mm;

The gear of the reducer motor is heat treated twice: Precision grinding of twice hard tooth surface: Accuracy up to batch 6, wear layer up to +-1mm;



减速机齿轮由特殊钢材经过先进的加工: 线圈采用F级(155度)H级(180度)耐高温漆包线 及绝缘材料,安全余量大;

Reducer gear made of special steel through advanced machining:

The coil adopts F (155 degrees)H (180 degrees) high temperature resistant enamelled wire and insulation material, with large safety margin;

#### 体积小/Small size 減轻重量/Reduce weight

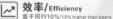
减速机外壳采用高强度合金铝减轻了整机的重 量, 体积设计小化;

The reducer shell adopts high-strength alloy aluminum to reduce the weight of the whole machine and reduce the volume design;

#### 低噪音/Low noise 降低廢掲/Reduce wear

噪音达到标准不大于60分贝;

The noise meets the standard not more than 60 dB:



使用高性能牌号硅钢材料, 温身低, 效率高:

The use of high-performance grade silicon steel material, low temperature, high efficiency;



易安装/Easy to install





#### 产品总览/Product overview

#### 一、微型交直流无刷减速电机/Micro AC DC brushless gear motor









#### 二、中型交流减速电动机/Medium AC reduction motor









#### 三、铝壳电机 & RV減速机 & 变频器/Aluminum motor & RV Reducer & Inverter









#### 四、四大系列硬齿面减速机/Hard gear reducer









#### 五、精密行星减速机 & 旋转平台/Precision planetary Reducer & Rotating platform









#### 六、东元电机 & 丝杆升降机/Dongyuan Motor & Screw elevator













### 型号阅读方法

PRODUCT CODE

#### ▶电动机/Motor

M - 5 - BLD - 90 - 220 - GN(L) - 25S - M

		0	
(2)	(3)	(4)	(5)
	•	•	•

<b>(6</b> )	(7)	8
	6	6 7

D	公司名称 Comanpy		木春电机 MUC	HUN MOTOR									
		型号尺寸 Model & Dimens	sion										
2	座机号 Code	2	4	5	6								
2)	电机安装法兰 Mounting flange mm	□60	□80	□90	□100								
	机壳尺寸 Case dimension	60*60	80*80	90*90	100*100								
3	电机种类 Motor type	BLD: 无刷直流电机 BLD:	DC Brushless gea	rmotor									
4	输出功率 (W)Output power (W)	(9le.g) 90: 90W	(e.g) 90: 90W										
5	电源电压 Voltage	(例e.g)24: 24VDC(可选电压24V~48VDC,单相100V~120VAC,单相220V~240VAC,50/60H. 24: 24VDC (Optional voltage 24V~48VDC, single phase 100V~120VAC, single phase 220V~240VAC, 50/60H											
	相对于方型减速箱 Relative to so 齿轴形状 Motor shaft type	quare type gear box: GN: GN型齿蛉轴 GN typ	e gear shaft GII: G	II刷卡於納 GII type os	archaft								
	相对于L型减速箱L type gearbox		e gear anan GO. G	OT EL SE SEL CIO TYPE DE	rar arian								
6	齿轴形状 Shaft shape	GNL: GN型L系列齿轮轴(3 GUL: GU型L系列齿轮轴(3											
	光电机出轴形状 Shape of the ou	tput shaft:											
	A: 圆轴型 Circular shaft type	A1: 健槽型 Keyway type											
7	电机转速 Motor speed	(例e.g) 25S: 2500RPM	低压时为30S Lo	w voltage for 30S									
8	电机附加配件 M: 电磁测车器 BF Motor parts M: Electromagnetic brake BFE				no the simple holzer encod								

#### ▶方型减速器/Square Shape Gearbox

5 GN 50 K 1 2 3 4

1	减速机安装尺寸 Gearhead frame size	2: 60mm 4: 80mm 5: 90mm 6: 104mm
2	类型Gear type	GN: GN型齿轮轴 GN type gear GU: GU型齿轮轴 GU type gear
3	减速比 Gear ratio	(例e.g) 50: 减速比 50: Reduction ratio
4	轴承种类 Bearing type	K: 滚珠轴承(对GU型方箱体标注为KB) K: Ball bearing (0n the GU type square box marked as KB)

#### ▶L型减速器/L Type Gearbox

5	GU	50	LC
1	2	3	4

1	减速机安装尺寸 Gearhead frame size	2: 60mm 4: 80mm 5: 90mm 6: 104mm
2	类型Geartype	GN: GN型齿轮轴(针对L系列2&4) Type GN gear shaft (For L series 2&4) GU: GU型齿轮轴(针对L系列5&6) Type GU gear shaft (For L series 5&6)
3	减速比 Gear ratio	(例e.g) 50: 减速比 50: Reduction ratio
4	減速箱类型 Bearing type	LC:L型空心轴输出减速器 L type hollow shaft output reducer RC: 孤维齿空小轴输出 Hollow shaft output of spiral bevel gear RT: 孤维齿突心轴输出 Solid shaft output of spiral bevel gear

#### 5系列直流无刷减速电机 (GU型)

5 Series DC brushless Gear Motor (GU type)



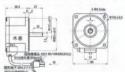
#### ▶电机基本特性/Basic Characteristics Of Motor

■120W (DC电源时适用于24VDC/36VDC/48VDC)/120W(DC Power Supply When Applied To 24VDC/36VDC/48VDC)

腰定功率(	连续 Rated power(continuous)								
额定转速	Rated speed	r/min	2500						
额定转矩	Rated torque	N.m	0.458						
斯时最大	转矩Instantaneous maximum torque	N.m		0.687					
转子转动	微量Rotor moment of inertia	J:X10~4kg.m²		0.250					
速度控制	范围 Speed control range	RPM	高压High pressure 20	D-2500RPM(低压Low p	ressure 200-3000RPM)				
速等	对负载On load		a 1.0%以下:条件额定转矩、额定转速、额定电压、常器 Below a 1%: condition rated forque, rated speed, rated voltage, room temperature						
Speed cortrol range	对电压On voltage		±1.0%以下:条件额定电压± Below±1%: condition rated	10%、额定转速、额定负载、泵 voltage ± 10%, rated speed, rai	ittle ted load, room temperature				
華安	对温度On temperature		ェ1.0%以下:条件使用环境温度0-+40℃ 超定转速、程定负载、程定电压 Below ± 1%: Conditions of ambient temperature 0-+40℃ sated voltage, sated load and rated spe-						
	額定电压 Rated voltage	V	单相Single phase 110V	单相Single phase220V	24VDC(年表Optional SEVDC-4EVDC)				
- 70	电压容许范围 Voltage tolerance n	ange	±10%						
电源输	頻率 Frequency	Hz	50/60		1				
<b>松</b> 皇	頻率容许范围 Frequency tolerand	e range	±5%	1					
入至	額定輸入电流 Rated input current	A	3.5	2.0	6.8				
	瞬时最大输入电流 Instantaneous maximum input current	А	7.0	4.5	13.0				

#### ▶方型减速机/Square reducer

■M90BLD120-24A-25S-电压 Voltage 24/36/48/110/220

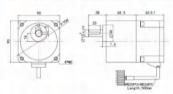


(Connector: 5557-8R/10R (MOLEX) 2Lead wire length 300mm 3Round terminal: SRA-21T-4 (low ground)

■低压电机接线插孔对应信号说明 Low Voltage Wrie Plughole Corresp-onding Signal Explanation



■M90BLD120-24A-25S尺寸图 Dimension drawing(标准驱动器 Standard Drive)



■高压电机接线插孔对应信号说明

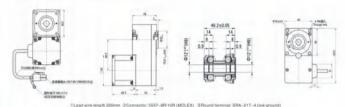
High Voltage Wrie Plughole Corresp-onding Signal Explanation

		1 2 3 4 5 6 7 8 9 10											
rs=21	1	2	3	4	5	-6	7	8	. 9	10			
2000	ž,	Ħm	St.	绿血	tin.	48 <sub>m</sub>		全属 併同	n.	n,			
2 4 1 1 11	W	Hu	U	Hv	٧	Hw			Voc=5V	GND			

#### ■L型減速机 /L Type Speed Reducer

M5BLD120-24GU-25S-LC

□-电压 Voltage24/36/48/110/220 □-建比数值 Velocity Ratio Value



■输出输内孔结构/The Output Shaft Hole Structure



■M5BLD60-24GU-25S-LC 整机容许力矩(单位: N,m )/M5BLD60-24GU-25S-LC Machine Allowable Torque (Unit: N,m)

減速比 Reduction Ratio Li机轴转道 Motor Speed		10	15		30		100	
200~1500RPM	1.09	2.18	3.26	4.35	6.53	10.9	21.8	43.5
2000RPM	0.92	1.84	2.76	3.68	5.52	9.20	18.4	36.8
2500RPM	0.84	1.67	2.51	3.35	5.02	8.37	16.7	33.5

■M5BLD90-24GU-25S-LC 整机容许力矩(单位: N,m)/M5BLD90-24GU-25S-LC Machine Allowable Torque (Unit: N,m)

減速比 Reduction Ratio 电机轴转速 Motor Speed	5	10	15	20	30	50	100	200
200-1500RPM	1.63	3.26	4.90	6.53	9.79	16.3	32.6	65.3
2000RPM	1.38	2.76	4.14	5.52	8.28	13.8	27.6	55.2
2500RPM	1.25	2.51	3.76	5.02	7.53	12.5	25.1	50.2

■M5BLD120-24GU-25S-LC 整机容许力矩(单位: N.m )/M5BLD120-24GU-25S-LC Machine Allowable Torque (Unit: N.m)

減速比 Reduction Ratio 机轴转速 Actor Speed		10	15	20	30	50	100	200
200~1500RPM	2.41	4.83	7.24	9.65	13.1	21.8	43.5	68.0
2000RPM	2.04	4.08	6.13	8.17	11.0	18.4	36.8	66.6
2500RPM	1.86	3.71	5.57	7.43	10.0	16.7	33.5	60.5

注Note: 表格中的所有速比旋转方向与电机转向相反。All gearbox output turn direction in form are opposite as motor turn direction. (不同转進及速比下的力矩为标准驱动器下测试所得。The torque under different speed and speed ratio is obtained under the standard.)

#### ■弧锥直角减速电机 Arc Cone Right Angle Speed Reducer Motor

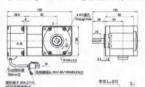
M5BLD120-24GU-255-RC

□-电压 Voltage 24/36/48/110/220 □-速比数值 Velocity Ratio Value



M5BLD120-24GU-255-RT

□-电压 Voltage 24/36/48/110/220 □-速比較值 Velocity Ratio Value



§ The sheath length of lead line 300mm. (2 Connector: 5557-8R/10R (MOLEX). (3 Round terminal: SRA-21T-4 (low ground).

■M5BLD80-24GU-25S-RC/RT 整机容许力矩(单位: N.m)/M5BLD80-24GU-25S-RC/RT Machine Allowable Torque (Unit: N.m)

혈육 Model	減速比 Raduction 电机 轴转道 Motor Speed	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180
M5BLD60- <b>□</b> GU	200-1500RPM	1.81	2.17	2.41	3.02	3.62	4.34	4.35	5,44	6.53	7.83	9.83	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	2000RPM	1.53	1.84	2.04	2.55	3.06	3.68	3.68	4.60	5.52	6.63	8.32	9.98	10.0	10.0	10.0	10.0	10.0	10.0
	2500RPM	1.39	1.67	1.86	2.32	2.78	3.34	3.35	4.18	5.02	6.02	7.56	9.08	10.0	10.0	10.0	10.0	10.0	10.0

■M5BLD90-24GU-25S-RC/RT 整机容许力矩(单位: N.m)/M5BLD90-24GU-25S-RC/RT Machine Allowable Torque(Unit: Nm)

코무 Model	模選比 Reduction 电机 Hutto 轴转速 Motor Speed	7.5	9	10	12.5	15	18	20	25	30	36	50	60	75	90	100	120	150	180
	200~1500RPM	2.72	3.26	3.62	4.53	5.43	6.52	6.53	8.16	9.79	11.8	14.7	17.7	20.0	20.0	20.0	20.0	20.0	20.0
M5BLD90-□GU	2000RPM	2.30	2.76	3.06	3.83	4.59	5.51	5.52	6.90	8.28	9.94	12.5	15.0	18.7	20.0	20.0	20.0	20.0	20.0
	2500RPM	2.09	2.51	2.78	3.48	4.18	5.01	5.02	6.27	7.53	9.04	11.3	13.6	17.0	20.0	20.0	20.0	20.0	20.0

■M5BLD120-24GU-25S-RC/RT 整机容许力矩(单位: N.m)/M5BLD120-24GU-25S-RC/RT Machine Allowable Torque (Unit: N.m)

	減速比 Reduction 用atio 轴转速 Motor Speed		9	10	12,5	15	18	20	25	30	36	50	60	75	90	100	120	150	180
	200-1500RPM	3.62	4.34	4.35	5.44	6.53	7.83	7.87	9.83	11.8	14.2	19.7	20.0	20.0	20.0	20.0	20.0	20.0	20.0
M5BLD120-□GU	2000RPM	3.06	3.68	3.68	4.60	5.52	6.63	6.66	8.32	9.98	12.0	16.6	20.0	20.0	20.0	20.0	20.0	20.0	20.0
	2500RPM	2.78	3.34	3.35	4.18	5.02	6.02	6.05	7.56	9.08	10.9	15.1	18.2	20.0	20.0	20.0	20.0	20.0	20.0

注Note:

表格中的 (灰底部分)表示旋转方向与电机转向一致。

(gray) in the table indicates that the rotation direction is consistent with the motor.

(不同转速及速比下的力矩为标准驱动器下测试所得。)

(The torque under different speed and speed ratio is obtained under the standard.)

## 6系列直流无刷减速电机

6 series DC brushless gear motor

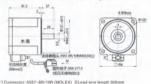


#### ▶电机基本特性/Basic Characteristics Of Motor

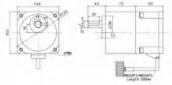
■200W(DC电源时适用于24VDC/36VDC/48VDC) /200W(DC Power Supply When Applied To 24VDC/36VDC/48VDC)

額定功率(	连续)Rated power(continuous)			200(200W/400W)	
额定转速	Rated speed	r/min		2500	
额定转矩	Rated torque	N.m		0.764	
瞬时最大	专矩Instantaneous maximum torque	N.m		1.146	
转子转动作	贵量Rotor moment of inertia	J:X10 <sup>-4</sup> kg.m <sup>2</sup>		0.460	
速度控制	性图 Speed control range	RPM	高压High pressure 200	0-2500RPM(低压Low p	ressure 200-3000RPM)
速	对负载On load		±1.0%以下条件稳定转矩。 Below ± 1%; condition rated	版定转进、额定电压、常周 Itorque, rated speed, rated voi	tage, room temperature
速率变化率	对电压On voltage			10%、極定转进、板定负载、管 voltage ± 10%, rated speed, rat	
本京	对温度On temperature		±1.0%以下:条件使用环境温息 Below±1%: Conditions of ambi	t0-=40℃ 新定转速、新定角板。 lent temperature 0- +40℃ rated w	額定电压 stage, rated load and rated speed
	額定电压 Rated voltage	V	息相Single phase 110V	单相Single phase 220V	36VDC(可含Optional 48VDC)
+ 70	电压容许范围 Voltage tolerance	range		±10%	
明 6	频率 Frequency	Hz	50/60		1
第二	频率容许范围 Frequency toleran	ce range	±5%		1
电源输入	额定输入电流 Rated input curren	t A	4.7	2.4	7.5
-	瞬时最大输入电流 Instantaneous maximum input current	. A	9.0	4.8	11.5

#### ▶方型减速机/Square reducer



■M104BLD200-24A-25S一电压 Voltage 24/36/48/110/220 ■M104BLD200-24A-25S尺寸图 Dimension drawing(标准驱动器 Standard Drive)



3 Round terminal: SRA-21T-4 (low ground)

低压电机接线插孔对应信号说明 Low Voltage Wrie Plughole Corresp-onding Signal Explanation

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ione:	V.	GNO	84m	950

■高压电机接线插孔对应信号说明

High Voltage Wrie Plughole Corresp-onding Signal Explanation

e===	1	2	3	4	ı
77777	n.	ׄ	东	10	
2 1 1 2 2	W	Hu	U	Hv	į

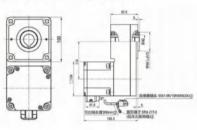
-	1	2	3	4	5	6	7	8	9	10
170	n,	Ħ.	灰。	10.	æ,	10.		会員	R.	A.
100	W	Hu	U	Hv	٧	Hw			Voc+5V	GND

#### >200W

■L型減速机L Type Speed Reducer

M6BLD200-24GU-25S-LC

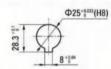
□-电压 Voltage 24/36/48/110/220 □-速比数值 Velocity Ratio Value

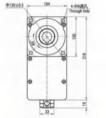


Φ25 + gum (H8)

3 Round terminal: SRA-21T-4 (low ground)

■輸出轴内孔结构 The Output Shaft Hole Structure





■M6BLD200-24GU-25S-LC 整机容许力矩(单位: N.m)/M6BLD200-24GU-25S-LC Machine Allowable Torque (Unit: N.m)

減速比 Reduction Ratio 电机轴转速 Motor Speed		10	15		30			
200-1500RPM	4.02	8.04	12.1	16.1	21.8	36.3	72.5	120
2000RPM	3.40	6.81	10.2	13.6	18.4	30.7	61.3	110
2500RPM	3.09	6.19	9.28	12.4	16.7	27.9	55.8	100

■M6BLD400-24GU-25S-LC 整机容许力矩(单位: N.m)/M6BLD400-24GU-25S-LC Machine Allowable Torque (Unit: N.m)

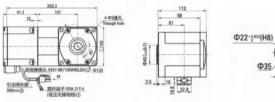
減速比 Reduction Ratio 电机轴转速 Motor Speed		10		20	30	50		
200~1500RPM	7.25	14.5	21.8	29.0	43.5	72.5	120	120
2000RPM	6.13	12.3	18.4	24.5	36.8	61.3	120	120
2500RPM	5.58	11.2	16.7	22.3	33.5	55.8	112	120

注Note: 表格中的所有速比能转方向与电机转向相反。All gearbox output turn direction in form are opposite as motor turn direction. (不同转速及速比下的力矩为标准驱动器下测试所得。The torque under different speed and speed ratio is obtained under the standard.)

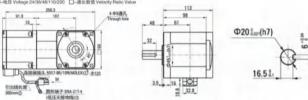
#### ■弧锥直角减速电机 Arc Cone Right Angle Speed Reducer Motor

M6BLD200-24GU-25S-BC/BT

□-电压 Voltage 24/36/48/110/220 □-連比数值 Velocity Ratio Value



M6BLD200-24GU-25S-RC/RT □-电压 Voltage 24/36/48/110/220 □-連比數值 Velocity Ratio Value



Connector: 5557-8R/10R (MOLEX). 2The sheath length of lead line 300mm. 3Round terminal: SRA-21T-4 (low ground)

■M6BLD200-24GU-25S-RC/RT 整机容许力矩(单位: N.m)/M6BLD200-24GU-25S-RC/RT Machine Allowable Torque (Unit: N.m)

型号 Model	減速比 Reduction 电机 和转速 Motor Speed			12.5		18	25		36	50	60			100	120	150	180	200
	200~1500RPM	6.03	7.24	9.06	10.9	13.1	16.4	19.7	23.6	32.8	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0
M5BLD200-□GU	2000RPM	5.11	6.13	7.67	9.20	11.0	13.9	16.6	20.0	27.7	33.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	2500RPM	4.64	5.57	6.97	8.37	10.0	12.6	15.1	18.2	25.2	30.3	37.8	40.0	40.0	40.0	40.0	40.0	40.0

■M6BLD400-24GU-25S-RC/RT 整机容许力矩(单位: N.m)/M6BLD400-24GU-25S-RC/RT Machine Allowable Torque (Unit: N.m)

型号 Model	減速比 Reduction Ratio 轴转速 Motor Speed			12.5		18	25		36	50	60	75	90	100	120	150	180	200
	200-1500RPM	12.1	14.5	14.5	18.1	21.8	26,1	26.2	32.8	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
M5BLD400-□GU	2000RPM	10.2	12.3	12.3	15.3	18.4	22.1	22.2	27.7	33.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	2500RPM	9.28	11.1	11.2	13.9	16.7	20.1	20.2	25.2	30.3	36.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0

表格中的 (灰底部分)表示旋转方向与电机转向一致。

The (gray) in the table indicates that the rotation direction is consistent with the motor

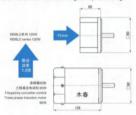
(不同转速及進比下的力矩为标准驱动器下测试所得。) (The torque under different speed and speed ratio is obtained under the standard.)

## 直流交流无刷减速电

#### ▶薄型、大功率/Thin,High Power

无则电动机的转子使用永磁体,因此实现了傅型和大功率;比如,与安装尺寸90的三相感应电动机相比总长缩短>75mm,输出功率达到1.3倍。若采用无刷电动机,有助于实现装置的小型化。

Brushless DC motors have a slim body and provide high power due to permanent magnets being used in the rotor. For example, the overall length is 75mm shorter and the output power is 1.3 times higher than that of three-phase induction motors with a frame size of 90mm. Using brushless DC motors can contribute to downsizing and space saving.



#### ▶搭载保护功能,有助于保护设备系统的安全/Protection Function, Help To Protect The Safety Of The Equipment System

由于加载了过流、欠压、缺相等保护功能。因此可保证设备系统运行时的安全。

Due to the load of the overcurrent, undervoltage, open phase protection, for this reason can ensure the safety of equipment system.

#### ▶电机的规格--转速/Motor specifications - speed

减速比 Reduction Rusing 电机轴转速 Output Shaft Motor Speed	3				7.5		10					25
200~1500RPM	67~500	56-417	40~300	33-250	27~200	22~167	20-150	16~120	13~100	11-83	10~75	8~60
2000RPM	667	556	400	334	267	223	200	160	134	112	100	80
2500RPM	833	695	500	417	334	278	250	200	167	139	125	100

灌建比 Reduction Ratio 出始转速 Output Shaft Motor Speed	30	36	50	60	75	90	100	120	150	180	200
200~1500RPM	7-50	6-42	4-30	3-25	3-20	2-17	2-15	2-12.5	1.5-10	1-8	1-7.5
2000RPM	67	56	40	34	27	23	20	17	14	12	10
2500RPM	84	70	50	42	34	28	25	21	17	14	12.5

#### ▶电机的规格--产品种类/Motor specifications - product categories

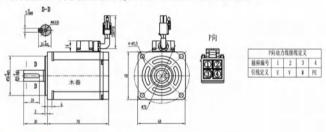
电动机 Motor	方形尺寸 Square Size	輸出功率 Output Power		驱动器 Driver 电源电压Voltage Supply
10	60X60	15, 25		
	80X80	40, 60	标准型	DC24~48V
	90X90(GN)	40, 60	Standard type IP40	单相 Single phase
	90X90(GU)	60, 90, 120	或Or IP54	220-240V
	104X104	200, 400		

#### 永磁电机行星减速机

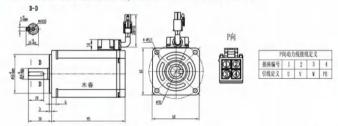
#### PERMANENT MAGNET MOTOR PLANETARY REDUCER



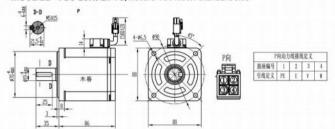
#### ▶ M60BLD-400电机标准尺寸/M60bld-400 motor standard size



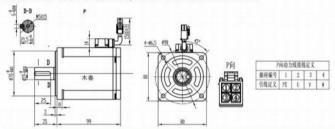
#### ▶M60BLD-600电机标准尺寸/M60bld-600 motor standard size



#### ▶M80BLD-750电机标准尺寸/M80bld-750 motor standard size



#### ▶M80BLD-1000电机标准尺寸/M80bld-1000 motor standard size



		电机参数/Mo			
		M60BLD-400	M60BLD-600	M80BLD-750	M80BLD-1000
额定电压	Rated voltage	220V	220V	220V	220V
额定输出功率	Rated output power	400W	600W	750W	1000W
額定转速	Rated speed	3000rpm	3000rpm	3000rpm	3000rpm
最大转速	Maximum speed				
額定轉矩	Rated torque	1.27N + m	1.91N - m	2.93N · m	3.3N · m
峰值转矩	Peak torque	3.81N · m	5.73N - m	7.71N - m	9.9N · m
額定电流	Rated current	1.3A	2.1A	2.5A	3.2A
峰值电流	Peak current	3.9A	6.3A	7.5A	9.6A
转子惯量	Rotor inertia.	0.52x10 'Kg + m'	0.77x10 'Kg · m'	1.48x10 'Kg • m'	2.27x10 'Kg + m'
力矩系数	Moment coefficient	0.508N.m/A	0.3N.m/A		0.56N.m/A
反电势	Counter potential				
裁回电阻(20℃)	Interline resistance (20°C)				
线间电感(20℃)	Interline inductance (20°C)				
电气时间常数	Electrical time constant				
编码器规格	Encoder specification				
绝缘等级	Insulation class	F	F	F	F
防护等级	Class of protection	IP65	IP67	IP65	IP65
冷却方式	Cooling mode	自然冷却Natural cooling	自然冷却/Natural cooling	自然冷却/Natural cooling	自然冷却/Natural coo





# 微型交流减速电动机

#### 型号的阅读方法

PRODUCT NUMBER CODE

#### ▶电动机/Motor

	电动机的尺寸Motor frame size	0:42mm 2:60mm 3:70mm 4:80mm 5:90mm 6:104mm
	类型名称Motor type	
	I:感应电动机:Induction motor R: 可逆电动机Reversble motor	T:转矩电动机Torque motor
3	系列名称Series	K:K系列 K series
4	输出功率Output power(W)	(例 Example)40:40W
6	R:表示带调速电动机;无:表示未带The auffix*-R*after the o	utput power means speed adjustable motor
	转轴形状 Motor shaft type	
	GN: GN型齿轮轴 GN type pinion shaft	GU: GU型齿轮轴 GU type pinion shat
	A:圆轴型 Round shaft	A1:鍵槽型 Keyway
	电源电压・极数 Voltage・Poles	
	A:单相Single-phase 110V50/60Hz 4P	S:三相Three-phase 200/220/230V50/60Hz 4P
	C:单相Single-phase 220/230V50Hz 4P	S3:三相Three-phase 380/400/415V50/60Hz 4P
	T:带端子籍型 Terminal box type	
	F:带风扇 W/Fan	FF:带强制风扇W/Forced fan
	M:无助磁动作型电磁制动电动机 Power off activated type electromagnetic brake motor	

#### ▶减速器型号说明/Description Of Reducer Model

$$\frac{5}{1} - \frac{GN}{2} - \frac{50}{3} - \frac{K}{4}$$

①	减速器安装尺寸 Gearhead frame size	0:42mm 2:60mm 3:70mm 4:80mm 5:90mm 6:104mm
2	类型 Type of pinion	GN: GN型齿轮轴 GN type gear GU: GU型齿轮轴 GU type gear
		(例le.g)50:减速比 Gear ratio of 1:50
	減速比 Gear ratio	10x仅限减速器1:10的中间减速比10x denotes the decimal gearhead of ratio 1:10
	轴承种类 Bearing type	K:滚珠轴承(对GU型方箱体标注为KB)Bearing(Make KB for type GU square case

如:电机配平行轴减速器时第5项省略,如配直角减速器时第4项省略。

Note: If the motor assembly with parallel gear box pls cancel item no 5, if assembly with right angle gear box pls cancel item no 4.

## 微型电机

INDUCTION MOTORS

40W | □90mm

60W | □90mm

#### 连续额定/Continuous Rating

	!Type per.Pinion Shaft elow:Round Shaft	输出功率	电压	频率	电液	启动铁矩	額定發矩	额定转速	电容器容量
新性型 Lead Wire type 种型型Directions ()	商場子報盟 Terminal Box Type 外型間Dimensions 2	Output power W	Voltage V	Frequency Hz		StartingTorque m Z . m	Rated Torque m.Z. m	Rated Speed r/min	Capacitor μ F
5IK40GN-C (5IK40A-C)	5IK40GN-CT (5IK40A-CT)	40	1ph 220	50	0.35	220	315	1250	2.5
5IK40GN-S	5IK40GN-ST	40	3ph 220	50	0.30	800	315	1250	-
(5IK40A-S)	(5IK40A-ST)	40	Opiraco	60	0.25	660	250	1550	
	5IK60GN-CFT (5IK60A-CFT)	60	1ph 220	50	0.50	340	470	1250	4.0
	5IK60GN-SFT	60	3ph 220	50	0.45	1000	470	1250	
5IK60A-SF) (5	(5IK60A-SFT)	60	3pn 220	60	0.40	800	380	1550	-

#### ▶容许力矩单位/Allowance Torque Unit:(N.m)

类型Type 电动机	減速! Gear R	Ł atio	3							12.5	15	18			30			50	60		90	100				200
Motor 減速机	軸道	50Hz																								
Gearhead	Speed r/min	60Hz	500		300	250	200	166	150			83		60	50	41		30	25		16	15		10	8.3	
5IK40GN-C□	FOREW	50Hz	0.77	0.92	1.30	1.50	1.90	2.30	2.38	3.20	3.80	4.60	4.88	5.70	6.90	8.30	8.57	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
5IK40GN-S□	5GN□K	60Hz	0.63	0.76	1.10	1.30	1.60	1.90	2.00	2.60	3.20	3.80	4.07	4.70	5.70	6.80	7.19	8.60	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
5K60GN-CF		50Hz	1.10	1.40	1.90	2.30	2.90	3.40	3.57	4.80	5.70	6.80	7.03	8.60	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10,0	10.0
5K60GN-SFI	FONDY	60Hz	0.92	1.10	1.50	1.80	2.30	2.80	2.99	2.80	4.60	5.50	5.70	6.90	8.30	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

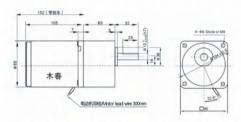
#### ▶电动机/Motor

型号Model · 类型Type 导线型Lead Wire Type 齿轮轴型 Pinion Shaft	额定 Rating	輸出功率 Output power W	电压 Voltage V	频車 Frequency Hz	电流 Current A	启动转矩 Starting Torque m Z. m		额定转速 Rated Speed r/min	
5IK60GN-CFM	30min	60	1ph 220	50	0.55	420	470	1250	4.50
FIVEOCAL OFFIA	20		3ph 220	50	0.45	1000	470	1250	
5IK60GN-SFM	30min	60	3pri 220	60	0.40	800	380	1550	-

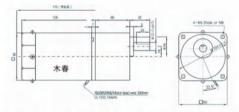
## 外形图(单位MM)

DIMENSIONS(UNIT MM)

▶40W



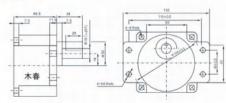
▶60W



#### ▶60W

带耳型減速器 Flange Mounting Reducer

◆可安装在GU齿轮辅型上 Can be mounted on GU type gear shaft ◆5GU□K ◆重量Weight:1.5kg



### 微型电机

**INDUCTION MOTORS** 

90W □90mm

120W | □90mm

#### 连续额定/Continuous Rating

	Type per.Pinion Shaft elow:Round Shaft	輸出功率	0.E	频率	电波	启动转矩	額定教矩	額定特達	电容器容量 Capacitor
导线型 Lead Wire type 中型部Dimensions ()	日曜子福祉 Terminal Box Type 中型医Dimensions 2	Output power W	Voltage V	Frequency Hz		StartingTorque m.Z.m	Rated Torque m.Z.m	Rated Speed r/min	μF
5IK90GU-CF (5IK90A-CF)	5lK90GU-CFT (5lK90A-CFT)	90	1ph 220	50	0.72	450	570	1250	5.0
5IK90GU-SF	U-SF 5K90GU-SFT	90	3ph 220	50	0.60	1350	700	1250	
(5IK90A-SF)	(5K90A-SFT)	90	3pii 220	60	0.55	1100	570	1550	_
5lK120GU-CF (5lK120A-CF)	5IK120GU-CFT (5IK120A-CFT)	120	1ph 220	50	1.00	600	750	1550	7.0
5K120GU-SF	5K120GU-SFT		2-1-222	50	0.70	1850	930	1250	
	(5IK120A-SFT)	120	3ph 220	60	0.60	1600	750	1550	-

#### ▶容许力矩单位/Allowance Torque Unit:(N.m)

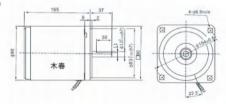
类型Type 电动机		英通比 Gear Ratio 3		3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
Motor 減速机		50Hz				~~						-				7.1			25							
Gearhead		60Hz	500	*17	300	250	200	166	150		100	83			50	*1		30	25	20	16	15		10	8.3	/.5
5lK90GU-CF	5GU□KB	50Hz	1.10	2.00	2.80	3.40	4.30	5.10	5.31	6.40	7.70	9.20	9.55	11.6	13.6	16.6	18.1	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5lK90GU-SF□	5GU□K	60Hz	1.40	1.70	2.30	2.80	3.50	4.20	4.43	5.20	6.20	7.50	7.81	9.40	11.3	13.5	14.5	18.8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5IK120GU-CF	5GUCKB	50Hz	2.30	2.70	3.80	4.50	5.60	6.80	7.01	8.50	10.2	12.2	12.5	15.3	18.4	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5lK120GU-SF□	5GU□K	60Hz	1.80	2.20	3.00	3.60	4.60	5.50	5.73	6.80	8.20	9.80	10.1	124	14.9	17.8	19.5	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0

#### ▶90W

◆光轴电动机 Motor

5IK90A-C, 5IK90A-CM

重量Weight:2.5kg



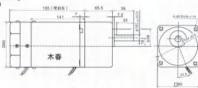
# 微型交流减速电动机

## 外形图 (单位MM)

DIMENSIONS(UNIT MM)

#### ▶90W

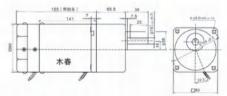
◆导线型 Lead Wiring Type 重量Weight:电动机 Motor:4.3kg 减速器 Gearhead:1.5kg



减速器附有安装用螺丝/Mounting screws are included with gearhead

#### 120W

◆导线型 Lead Wiring Type 重量Weight:电动机Motor:4.3kg 減速器 Gearhead:1.5kg

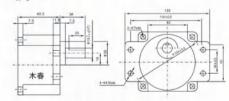


減速器附有安装用螺丝/Mounting screws are included with gearhead

#### ▶90W

Flange Mounting Reducer

◆可安装在GU齿轮装型上 Can be mounted on GU type gear shaft ◆5GU□K ◆重量Weight:1.5kg



#### 微型电机

**INDUCTION MOTORS** 

150W □104mm

200W □104mm

250W □104mm

#### ▶连续额定/Continuous Rating

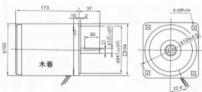
	IType per.Pinion Shaft Selow:Round Shaft	輸出功率 Output power	电压 Voltage	频率 Frequency	电流 Current	启动转矩	鞭定转矩 Rated Torque	額定转進 Rated Speed	电容器容量 Capacitor
等抵徵 Lead Wire type 分型形Dimensions	李婧子框型 Terminal Box Type 外型图Dimensions	W	V	Hz	A	mZ.m	mZ.m	r/min	μF
6IK150GU-CF (6IK150A-CF)	6IK150GU-CFT (6IK150A-CFT)	150	1ph 220	50	1.05	850	1040	1350	10
6IK150GU-SF	6IK150GU-SFT	150	3ph 220	50	0.85	2700	1080	1250	
(6IK150A-SF)	(6IK150A-SFT)	130	Spirezo	60	0.75	2200	870	1550	
6lK200GU-CF (6lK200A-CF)	6IK200GU-CFT (6IK200A-CFT)	200	1ph 220	50	1.40	1000	1520	1250	10
BIK200GU-SF	6IK200GU-SFT	200	3ph 220	50	1.20	3400	1520	1250	
(6IK200A-SF)	(6IK200A-SFT)	200	Spirezo	60	1.00	2700	1230	1550	

#### ▶容许力矩单位/Allowance Torque Unit:(N.m)

<sup>美型Type</sup> 电动机 Motor	減 Gear		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
減速机	村道	SOHtz	500	417	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5
Greinisea	Speed (Inte	60Hz	600	500	360	300	240	200	180	144		100	90	72	60	50	45	36	30	24	20	18	15			9
SPHENON PET	601ICA	enu-	2.60	3.10	4.40	5.20	6.60	7.90	7.80	9.90	11.8	142	14.0	17.8	21.4	25.7	28.0	35.6	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
ON ISSUED CALL	BOUCK	DUTTE	2.50	3.00	4.20	5.10	6.30	7.60	7.20	9.50	11.4	13.7	13.0	17.2	20.6	24.7	26.0	34.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
6K150GU-SFT	6GU™K	cour	2.10	2.50	3.50	4.20	5.30	6.30	6.30	7.90	9.50	11.4	11.3	14.4	17.2	20.7	22.6	28,7	34.5	40.0	40.0	40.0	40.0	40.0	40.0	40.0
ON LOUGH-OF [	BOOL K	COPTE	2.10	2.50	3.40	4.10	5.20	6.20	6.10	7.80	9.30	11,2	11.0	12.0	16.8	20.2	22.0	28.0	33.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0
BK200GU-CF[] BK200GU-SF[]	eout to	50Hz	3.71	4.46	6.19	7.43	9.28	11.1	11.9	13.9	16.7	20.1	20.8	25.2	30.3	36.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
6K200GU-SF[]	0000,30	60Hz	2.99	3.59	4.99	5.99	7.49	8.98	9.70	11.2	13.5	16.2	17.2	20.3	24.4	29.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
6K250GU-0F[]	6GUTK	50Hz	3.71	4.46	6.19	7.43	9.28	11.1	11.9	13.9	16.7	20.1	20.8	25.2	30.3	36.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
6K2S0GU-SF[]	OUL IN	60Hz	2.99	3.59	4.99	5.99	7.49	8.98	9.70	11.2	13.5	16.2	17.2	20.3	24.4	29.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0

#### ▶200W

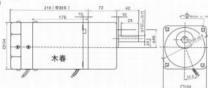
◆光轴电动机Motor 6IK200A-C、6IK200A-CM 重量 Weight:3.5kg



DIMENSIONS(UNIT MM)

#### ▶150W

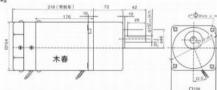
◆导线型 Lead Wiring Type 重量Weight:电动机Motor:4.3kg 或速器Gearhead:1.5kg



減速器附有安装用螺丝/Mounting screws are included with gearhead

#### ▶200W

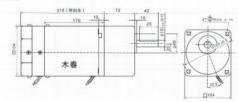
◆导线型 Lead Wiring Type 重量Weight:电动机Motor:4.3kg 減速器Gearhead:1.5kg



减速器附有安装用螺丝/Mounting screws are included with gearhead

#### ▶250W

◆导线型 Lead Wiring Type 重量Weight:电动机Motor:4.3kg 减速器Gearhead:1.5kg



減速器附有安装用螺丝/Mounting screws are included with gearhead





#### 弧锥直角 SPIRAL BEVEL RIGHT ANGLE

40W | □90mm

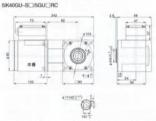
60W | □90mm

#### ▶容许力矩单位/Allowance Torque Unit:(N.m)

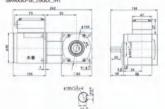
类型Type 电动机	減速は Gear Ra		7.5		12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200
Motor 減速机	1018	50Hz									_	_	_						
Gearhead	Speed r/min	60Hz	200	166	120	100		60		"		25	20	16	15	12.5	10	8.3	
5lK40GU–C□	5GU⊡RC	50Hz	1.90	2.30	3.20	3.80	4.60	5.70	6.90	8.30	10.0	11.4	14.2	17	19	20	20	20	20
5lK40GU−S□	5GU□RT	60Hz	1.60	1.90	2.60	3.20	3.80	4.70	5.70	6.80	8.60	9.2	11.5	13.7	15.3	18	20	20	20
5IK60GU-CF	5GU⊡RC	50Hz	2.90	3.40	4.80	5.70	6.80	8.60	9.5	10.0	14.2	17	20	20	20	20	20	20	20
5lK60GU−SF□	5GU□RT	60Hz	2.30	2.80	3.80	4.60	5.50	6.90	7.8	8.3	11.5	13.7	17.2	20	20	20	20	20	20

#### 电机尺寸图/Motor Size chart

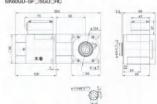
5IK40GU-A□/5GU□RC 5IK40GU-C□/5GU□RC



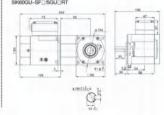
5IK40GU-A□/5GU□RT 5IK40GU-C□/5GU□RT 5IK40GU-SIT/5GUITIRT



5IK60GU-AF□/5GU□RC 5IK60GU-CF□/5GU□RC 5IK60GU-SF□/5GU□RC



5IK60GU-AFD/5GUDRT 5IK60GU-CFD/5GUDRT 5IK60GU-SF□/5GU□RT



## 弧锥直角 SPIRAL BEVEL RIGHT ANGLE

90W | □90mm

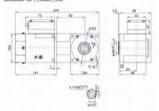
120W | □90mm

#### ▶容许力矩单位/Allowance Torque Unit:(N.m)

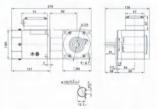
类型Type 电动机	減速! Gear Ra				12.5		18		30		40	50	60		90	100	120		180	200
Motor 減速机	10.08	50Hz																		
Gearhead	Speed r/min	60Hz	200	166	120	100	83	60	50		37	30	25		16	15	12.5		8.3	7.5
5IK90GU-CF□	5GU⊡RC	50Hz	4.30	5,10	6.40	7.70	9.20	11.6	13.6	16.6	18.1	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5IK90GU-SF	5GU□RT	60Hz	3.50	4.20	5.20	6.20	7.50	9.40	11.3	13.5	14.5	18.8	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5IK120GU-CF	5GU⊡RC	50Hz	5.60	6.80	8.50	10.2	12.2	15.3	18.4	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
5IK120GU-SF	5GU□RT	60Hz	4.60	5.50	6.80	8.20	9.80	12.4	14.9	17.8	19.5	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0

#### 电机尺寸图/Motor Size chart

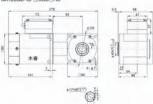
5IK90GU-AF□/5GU□RC 5IK90GU-CF□/5GU□RC 5IK90GU-SF□/5GU□BC



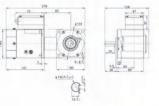
5IK90GU-AF□/5GU□RT 5IK90GU-CF□/5GU□RT 5IK90GU-SF□/5GU□RT



5lK120GU-AF□/5GU□RC 5lK120GU-CF□/5GU□RC 5lK120GU-SF□/5GU□RC



5IK120GU-AFD/5GUDRT 5IK120GU-CFD/5GUDRT 5IK120GU-SF J/5GU RT



## 弧锥直角电动机

#### 弧锥直角 SPIRAL BEVEL RIGHT ANGLE

150W | □104mm

200W □104mm

250W □104mm

#### ▶容许力矩单位/Allowance Torque Unit:(N.m)

类型Type 电动机	減速: Gear Ra		7.5	9	12.5	15	18	25	30		50	60	75	90	100	120		180	200
Motor 減速机	MIR	50Hz	200	166	120	100	83	60	50	41	30	25	20	16	15	12.5	10	8.3	7.5
Gearhead	Speed r/min	60Hz	240	200	144	120	100	72	60	50	36	30	24	20	18	15	12	10	9
6lK150GU-CF□	6GU⊡RC	50/60Hz	5.30	6.30	9.20	11.0	13.0	18.0	22.0	26.0	33.0	40.0	49.7	59.6	60.0	60.0	60.0	60.0	60.0
6lK150GU−SF□	6GU⊡RT	SUBURZ	5.20	6.20	7.80	9.30	11.2	15.0	18.0	22.0	27.0	32.0	40.0	48.0	53.0	60.0	60.0	60.0	60.0
6IK200GU-CF	6GU⊡RC	50Hz	9.28	11,1	13.9	16.7	20.1	25.2	30.3	36.3	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
6lK200GU-SF□	6GU⊡RT	60Hz	7.49	8.98	11.2	13.5	16.2	20.3	24.4	29.3	41.0	49.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
6lK250GU−SF□	6GU⊡RC	50Hz	10.7	12.6	16.0	19.2	23.0	28.8	34.8	41.7	57.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
6lK250GU−SF□	6GU□RT	60Hz	8.60	10.3	12.9	15.5	18.6	23.3	28.0	33.7	47.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0

#### ▶电机尺寸图/Motor Size chart

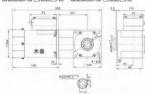
6IK150GU-AF□/6GU□RC 6IK150GU-CF□/6GU□RC 6lK150GU-SF□/6GU□RC



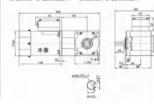


6IK150GU-AF□/6GU□RT 6IK150GU-CF□/6GU□RT

6lK200GU-AF□/6GU□RC 6lK250GU-AF□/6GU□RC 6lK200GU-CF□/6GU□RC 6lK250GU-CF□/6GU□RC 6IK200GU-SF□/6GU□RC 6IK250GU-SF□/6GU□RC



6IK200GU-AF□/6GU□RT 6IK250GU-AF□/6GU□RT 6lK200GU-CF□/6GU□RT 6lK250GU-CF□/6GU□RT 6lK200GU-SF□/6GU□RT 6lK250GU-SF\_/6GU\_RT

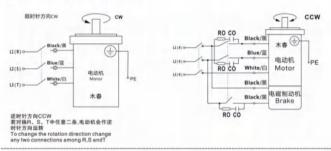


#### 连接图 WIRING DIAGRAM

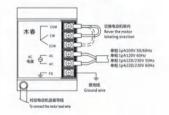
#### ▶单相接法/Single phase connection



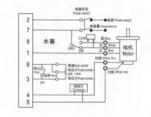
#### ▶三相接法/Three phase connection



#### US型/US Type调速器



SS型/SS Type









#### 中型交流减速电机型号说明方法

TYPE AND MOTOR MODEL

#### ▶减速电机型号说明/Description Of Motor Model

M100-H-01-50-S-B-F-G1-LD

- M木寿品牌代号。输出功率Output:100W 200W 400W 750W 1100W 1500W 2200W 3000W 3700W 5.5KW 7.5KW
- 箱体结构基本代号Basic structure:MH(卧式Horizonal), MV(立式Vertical)
- 01=18.02=22.03=28.04=32.05=40.06=50.07=60
- 齿轮箱的减速比Gear ratio:3,5,10...1800
- 电机输入电压
  - S:三相电机 3-Phase motor,220-240/380-415V.50/60Hz
  - C:单相电机 1-Phase motor, 220V, 50/60Hz
- A:单相电机 1-Phase motor,110V,50/60Hz
- 到车辆Brake unit
- B:DC新电测车器 Brake unit(另配交变直快速整流器 With quick rectifier from AC to DC) YB:手持放刹车器 Manual brake unit
- F2:220V轴流风机, F3:380V轴流风机, F2:220V axial fan, F3:380V axial fan
- 出轴端看接线盒方位(如图示)Terminal box direction from output shaft(As shown) G1:左方向Left G2:右方向Right G3:上方向Top G4:下方向Down





G2:右方向 Right





G3:上方向 Top

G4:下方用 Down



G3:上方向 Top

G4:下方向 Down

出轴端看引出线方位(如图示)Lead direction from output shaft(As shown) D:向下 Down F:向前 Forward B:向后 Back L:向左 Left R:向右 Right

G1:左方向Left

























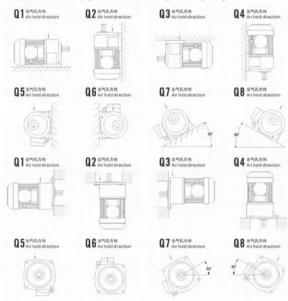
# 中型交流减速电动

#### 中型交流减速电机型号说明方法

TYPE AND MOTOR MODEL

出厂标准安装系式。Standrad installation method 本公司出厂所有减速器适用如图安装形式 All of company's reducer can be applied to the following kinds of installation method 图中Q1、Q4、Q7、Q8中注油孔方向为标准型 In the diagram,Q1, Q4, Q7, Q8 are our standard types of oil hole direction 注油孔在特殊位置的,请特别告知,本公司将修改出气孔位置 Pls inform us if the location of oil hole is special, we will modify it 实际使用时。建议将注油孔中的堵油镇拨出、以平衡减速箱内的压力

Pls pull out the pin of the oil plug to reduce the pressure in the gearbox during running



#### 备注:

订购变频电机时,请说明变频范围,减速电机的使用环境工作方式等。

带到车减速电机总长度需增加10mm。

Note: For motors supplied by transducer please tell us detailed working modes and working ambient. The total length of brake motors will be 10mm longer than standard motors.

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#### 技术资料

**TECHNICAL DATA** 

#### ▶电机基本规范/Motor Specification

	項目 Ltem	三相电机 3-Phase Motor	单相电机 1–Phase Motor
防护等级	Protection		IP54,铁壳接线盒为IP20 rminal box,and other is IP20
外壳材质	Frame material	100W~3700W机壳为铝合金。1#。2#。3 Alum alloy for 100W~3700W frame,alum alloy	8#。4#齿轮箱为铝合金。5#。6#齿轮箱为铸铁 for 1#,2#,3#, 4# gear case,5#,6# cast iron for others
工作方式	Duty	连续运转/Co S1工作	ntinuous running 部 Duty:S1
绝缘等级	INS.class	B級(F級) 常規B級(F級可选)Regula	可选/Optional r class B(Class F can choose)
适用环境	Environment	温度/Temp 温度/Hu	o:-10°C-+40°C midity:≤90%
使用电压	Voltage	220-240/380-415V,50/60Hz	110V/50/60Hz,220V/50/60Hz
极数	Pole	4P(6P)	4P
海拔	Height	<	1000m
启动方式	Starting	全压启动 Full pressure starting	0.1-0.2Kw单电容启动 Capacitor 0.4-1.5Kw双电容启动 Double capacitors
依据标准	Standard	GB/T1	2350-2009

#### ▶ 单相电机配套电容值,电容运转形式/Capacitor For 1-phase Motor, C-running Type

輸出功率 Output Power	运转电容 Running Capacitor	启动电容 Starting Cepacitor	這转电容+启动电容(高心开关) Running+Starting Capacitor (Ceutrifugal Switch
100W,1/8HP	8 µ F/450V	1	/
200W,1/4HP	12 µ F/450V	1	1
400W,1/2HF	1	1	15 μ F/450V+75 μ F/250V
750W,1HP	1	1	20 μ F/450V+150 μ F/250V
1500W,2HP	1	1	40 μ F/450V+200 μ F/250V

#### ▶刹车性能说明/Function For Brake Unit

輸出功率 Output Power	允许最高转速 Premit Max Rpm	剥车制动力 Torque (kg.m)	剎车间隙 Clearance(mm)	重量 Weight (kg)
1/8HP4P-1/4HP4P ( 100W-200W )	1700	0.15-0.4	0.3-0.5	2.0
1/2HP4P-1HP4P ( 400W-750W )	1700	0.25-0.7	0.4-0.6	4.3
2HP4P-3HP4P ( 1500W-2200W )	1700	0.92-2.0	0.5-0.7	6.3
4HP4P-5HP4P ( 3000W-3700W )	1700	1.80-3.5	0.6-0.8	7.0

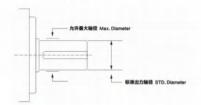
M100/200-H03-(210~25000)高比数

# 中型交流减速电动机

### 技术资料

TECHNICAL DATA

#### ▶输出轴允许最大轴径/Available Max Output Shaft Diameter

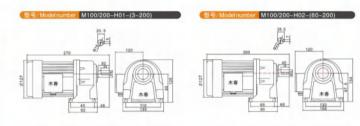


齿轮箱型号 Gear Box	标准出轴直径 Atanddre Output Shaft Dia	最大允许直径 Max Availablet Shaft Dia	輸出開轴承 Output Eed Bearing
1#	Φ18	Ф20	6004
2#	Ф22	Ф25	6205
3#	Φ28	Ф30	6206
4#	Ф32	Ф35	6207
5#	Φ40	Φ45	6209
6#	Φ50	Ф55	6211

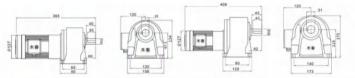
#### ▶减速电机各零件部分大致说明/Main Parts Notes

部件名称/Parts Name	说明/Notes
簡体/Gearbox	18、24、38、4年指体出触直径为18、22、28、32、箱体采用铝合金、58、68箱体主轴直径为40、50、指体采用铝合金、58、684指生轴直径为5、50、286、327 Amplies Control (1) Amplies Control
衝轮片/Gear piece	齿轮材料为40Cr,调度HB280。高精度滚击。齿部高频淬火HPC50,齿面磨击。齿轮精度6级. The malatest 40C rities to HEBDS, then cased with Ingh Integrating quantitier HPC50. Gear should be processed by miley with high prescutor. The class is 6.
齿轮轴/Gear shaft	齿轮材料为2DC/Mn11,高精度滚齿,漆碳淬火HRC80,齿面二次宽削,精度6级. The nealerful 2CCMn11 at the left of HIC50 through processing of commentation quancher. Gener that the list processed with gener hobbits precisions in 8.
电机轴/Motor shaft	齿轮材料为20CMnTL高精度溶齿,渗碳淬火HRC60,也而二次系制,精度6级。 The notated 20CMnT will be changed into HRC60 through processing of comentite quencher. Garanthal this processed wile per Archite (Processing Cases Int.).
触承/Ball bearing	电机部分轴承采用高精度等级精密轴承,以确保长期证转寿命。 We adopt light bearing with high precision,to make sure longlerm numring life.
油勢/Oil seal	电机轴以附高温油封为主。可有效防止油脂渗漏. Gear shalf gives priority to and uning high languavoiding oil inflitration.
接线盒/Terminal box	有两种:一种是铝合金接线盒,有较好的防水及防尘性能。防护等级为IP54。 另外一种最快机的接线盒,结构轻55。防护等级IP20。 Trot type Comban by Alley John by Selection good calculated of destroot Protection grade is PS4.

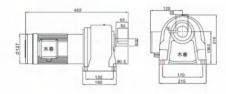
#### ▶外形尺寸(单位mm)/Shape Size(mm)



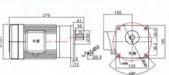
#### M100/200-H02-(210~25000)高比数



#### M100/200-H04-(210-20000)高比数

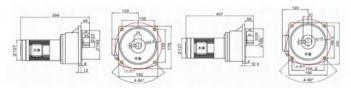


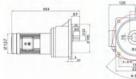
注明:带\*型号为非标准型号 Note: Models with \* are non-standard models

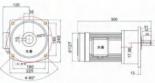


M100/200-V02-(210~25000)高比数

M100/200-V03-(210~25000)高比数







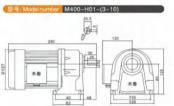


注明:带\*型号为非标准型号 Note: Models with \* are non-standard models

## 0.4KW B式/HORIZONTAL 章相/三相/1-PHASE/3-PHASE

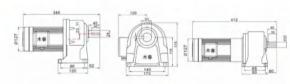


#### ▶外形尺寸(单位mm)/Shape Size(mm)



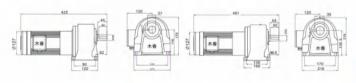


M400-H02-(210~25000)高比数



M400-H03-(210-25000)高比数

M400-H04-(210-20000)高比数

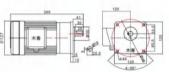


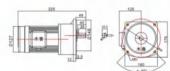
注明:带\*型号为非标准型号 Note: Models with \* are non-standard models



▶ 外形尺寸(单位mm)/Shape Size(mm)

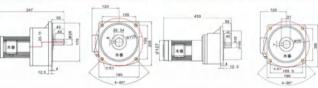
型号/Model number M400-V01-(3~10) 型号/Model number M400-V02-(3~90)





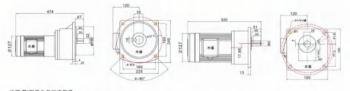


M400-V03-(210~25000)高比数





M400-TV02-(3-90)偏心法兰



注明:带\*型号为非标准型号 Note: Models with \* are non-standard models

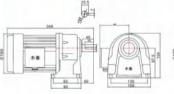
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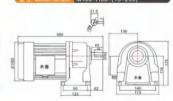
## 



▶ 外形尺寸(单位mm)/Shape Size(mm)

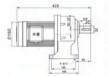
M400-H03-(15~200)



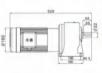


M400-H04-(100~200)

M400-H04-(210~20000)高比数



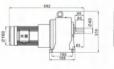




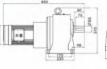


M400-H05-(210~20000)高比数

M400-H06-(210-25000)高比数









注明:带\*型号为非标准型号 Note: Models with \* are non-standard models 中型交流减速电动机

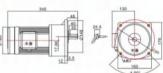
0.4KW 立式/VERTICAL 单相/三相/1-PHASE/3-PHASE

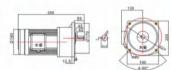


▶ 外形尺寸(单位mm)/Shape Size(mm)

型号/Model number M400-V02-(3~90)

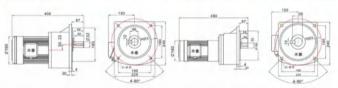
M400-V03-(15~200)





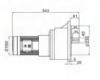
M400-V04-(100~200)

M400-V04-(210-20000)高比数



M400-V05-(210~20000)高比数

M400-TV03-(15~200)偏心法兰









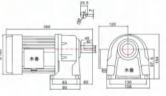
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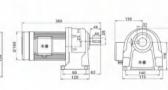
0.75KW/1.1KW

卧式/HORIZONTAL 三相/3-PHASE

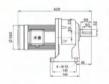
▶ 外形尺寸(单位mm)/Shape Size(mm)

型号/Modelnumber M750-H02-(3~25)

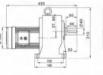




M750-H04-(30~200)



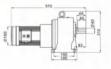




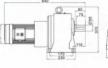


M750-H05-(210~25000)高比数

M750-H06-(210~25000)高比数







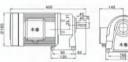


注明:带\*型号为非标准型号 Note: Models with \* are non-standard models 中型交流减速电动机

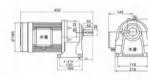
▶ 外形尺寸(单位mm)/Shape Size(mm)

型号/Modelnumber M1500/2200-H03-(3~25)

M1500/2200-H04-(3~120)

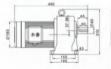




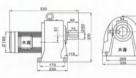


M1500/2200-H05-(30~200)

M1500/2200-H06-(125~200)

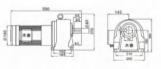


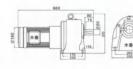




M1500/2200-H05-(210-22000)高比数

M1500/2200-H06-(210-20000)高比数

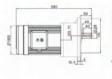




注明:带\*型号为非标准型号 Note: Models with \* are non-standard models

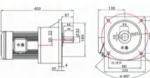
型号/Model number M750-V02-(3~25)



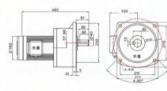




M750-V04-(30~200)

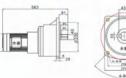




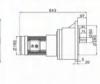


M750-V05-(125~200)

M750-V05-(210-25000)高比数









M750-V06-(210-25000)高比数

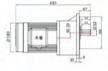
▶ 外形尺寸(单位mm)/Shape Size(mm)

型号/Model number M1500/2200-V03-(3~25)

M1500/2200-V04-(3~120)



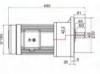




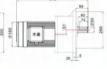


M1500/2200-V05-(30~200)

M1500/2200-V06-(125~200)









型号/Model number M1500/2200-V05-(210-22000)高比数

M1500/2200-V06-(210-20000)高比数









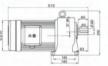
注明:带\*型号为非标准型号 Note: Models with \* are non-standard models

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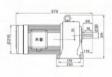
卧式/立式 HORIZONTAL/VERTICAL 三相/3-PHASE

▶ 外形尺寸(单位mm)/Shape Size(mm)

型号/Model number M3700-H05-(3~200)

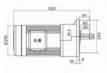




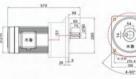




M3700-V05-(3~200)

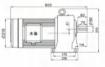








M5500-V06-(15-200)







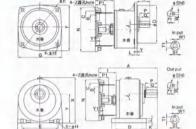


中型交流减速电动机

#### MHM直联式齿轮减速机

MHM DIRECT-COUPLED GEAR REDUCER







NP	UT BO	RE		出力	軸尺寸	OUTPU	TSHA	AFT .	
•		WAY	出力 SHA			EYWA'		KEY	
	W1	T1	Sh6		W	T		SPEC	
	4	12.5	Ф18	30	5	20.2	25	5*5*25	
	5	16.3	Ф22	40	7	25	35	7*7*35	
	6	21.8	Ф28	45	7	31.1	40	7*7*40	
	8	27.3	Ф32	55	10	35.5	50	10*8*50	
	8	31.3	Ф40	65	10	43.5	60	10*8*60	
	8	313	d 50	80	14	54	75	14*9*75	

馬力 KW	凝速比 RATIO	型號 TYPE	A	В	C	D	E	F	G	н	1	J	К	t.	N	х	Y	z	<b>1</b> € E
	3-10	18	153	110	130	40	110	135	65	.9	52.5	16	45	10	158	132	88.5	M8	4
200W 1/4HP	15-90	22	188	110	130	65	130	159	90	11	52.5	18.2	56	15	158	152	97.5	М8	6
	100-200	28	216	110	130	90	140	180	122	11	52.5	20.8	65	15	158	180	116	М8	8
	3-10	22	188	110	130	65	130	160	90	11	52.5	18.2	56	15	158	152	97.5	М8	6
400W 1/2HP	15-90	28	216	110	130	90	140	180	122	11	52.5	20.8	65	15	158	180	116	M8	8
	100-200	32	250	110	130	130	170	215	160	13	52.5	30.2	76	25	158	210	138.5	M8	21
	3-25	28	237	130	165	90	140	180	122	11	78	20.8	66	15	198	180	116	M10	11
750W 1HP	30-120	32	275	130	165	130	170	215	160	13	78	30.2	76	25	198	210	138.5	M10	26
	125-200	40	300	130	165	150	210	260	185	15	78	42.2	85	25	198	248	160	M10	38
1500W	3-25	32	275	130	165	130	170	215	160	13	78	30.2	76	25	198	210	138.5	M10	26
2HP	30-120	40	300	130	165	150	210	260	185	15	78	42.2	85	25	198	248	160	M10	39
2200W	3-60	40	320	180	215	150	210	260	185	15	95	42.2	85	25	250	248	160	M12	40
ЗНР	70-120	50	360	180	215	170	265	330	220	18	95	51.7	104	30	250	315	200	M12	45
3700W	3-25	40	320	180	215	150	210	260	185	15	95	42.2	85	25	250	248	160	M12	50
5HP	30-80	50	360	180	215	170	265	330	220	18	95	51.7	104	30	250	315	200	M12	55

024 Ф28

## 齿轮减速电机性能表(100W-5500W)

GEAR MOTOR PERFORMANCE TABLE (100W-5500W)

#### ▶扭力表/Torque meter

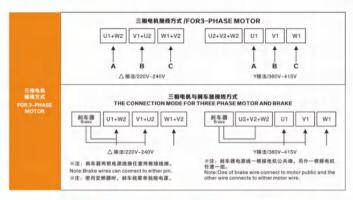
单位kg-m

	出力	B枝敷 RUT							輸出較	E/OU	RUTTO	NUQUE						
延續比 GEAR RATIO	R.F	M.	100W<	1/8HP>	200W<	1/4HP>	400W<	1/2HP>	750W	<1HP>	1500W	<2HP>	2200W	/<3HP>	3700W	∕5HP>	5500W	<7.5HPs
	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
3	500	600	0.19	0.16	0.37	0.31	0.7	0.6	1.3	1.1	2.6	2.2	3.8	3.2	6.0	5.5	9.8	9
5	300	360	0.31	0.26	0.62	0.52	1.2	1.0	2.2	1.9	4.5	3.8	6.72	5.6	11.0	10.0	16.5	13.3
10	150	180	0.62	0.52	1.24	1.04	2.4	2.0	4.5	3.8	9.1	7.6	13.7	11.2	22.0	20.0	33	27
15	100	120	0.91	0.76	1.8	1.5	3.6	3.0	6.8	5.7	13.5	11.3	21.0	16.8	32.6	29.8	50.5	40
20	75	90	1.2	1.0	2.4	2.0	4.8	4.0	9.0	7.5	18.1	15.1	26.8	22.4	43.6	36.0	65.8	53.5
25	60	72	1.4	1.2	3.0	2.5	6.0	5.0	11.2	9.4	22.6	18.9	33.6	28.0	53.9	49.5	82.3	66.8
30	50	60	1.8	1.5	3.6	3.0	7.2	6.0	13.5	11.6	27.1	22.6	40.3	33.6	64.7	58.8	98.7	80
40	37	45	2.2	1.9	4.6	3.9	9.3	7.8	17.5	14.6	34.9	29.1	52.0	43.4	86.3	78.4	131	106.8
50	30	36	2.8	2.4	5.7	8	11.6	9.7	21.9	18.3	43.6	36.4	65.1	54.3	106.7	97.0	165	133
60	25	30	3.4	2.9	6.9	5.8	13.9	11.6	26.2	21.9	52.4	43.7	78.1	65.1	126.8	115.2	197.5	160.2
70	21.4	25.7	4.3	3.6	8.0	3.7	16.2	13.5	31.5	26.3	62.4	52.0	92.5	77.1	156	126	230	181
80	18.8	22.5	4.8	4.0	9.2	7.7	18.4	15.4	35.5	29.6	70.8	59.0	105	87.5	178	145	263	214
90	16.7	20	5.2	4.4	10.3	8.6	20.7	17.3	39.3	32.8	77.1	64.3	113.1	94.3	200	100	296	240
100	15	18	5.8	4.9	11.5	9.6	23.0	19.2	43.2	36.0	83.7	69.8	126	105	221	180	329	267
120	12.9	15	6.9	5.8	13.8	11.5	27.7	23.1	51.8	43.2	100.4	83.7	150	145	266	215		
140	10.7	12.9	8.0	6.7	16.0	13.4	32.0	26.7	59.7	49.8	116.1	96.8						
160	9.4	11.3	9.1	7.6	18.3	15.3	36.0	30.3	68.0	56.7	131.8	109.9						
180	8.4	10	10.3	8.6	20.7	17.3	40.8	34.0	76.8	64.0	147.6	123						
200	7.5	9	11.6	9.7	22.9	19.1	43.2	36.0	82.8	69.0								
300	5	6	17.5	14.9	35.1	28.3	70.2	56.7	132.6	107.1								
1200	1.25	1.5	58.5	47.6	70.2	56.7	70.2	56.7	132.6	107.1								
1800	0.83	1	58.5	47.6	70.2	56.7	70.2	56.7	132.6	107.1								

#### ▶三相电压全负载电流值/3-PHASE/4-POLES FULL LOAD AMPERE

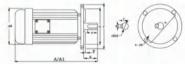
100W 200W 400W 750W			50HZ-4P			60HZ-4P								
CAPACITY	220V	380V	415V	440V	RPM	220V	380V	440V	460V	RPM				
100W	0.87	0.5	0.32	0.30	1410	0.6	0.4	0.30	0.29	1720				
200W	1.39	8.0	0.7	0.58	1410	1.1	0.63	0.55	0.52	1720				
400W	2.4	1.4	1.13	1.07	1420	1.9	1.10	0.95	0.91	1730				
750W	3.8	2.2	1.94	1.84	1420	3.4	1.96	1.70	1.63	1730				
1500W	6.9	4.0	3.94	3.30	1430	6.1	3.53	3.05	2.92	1740				
2200W	9.5	5.5	4.74	4.47	1430	8.7	5.04	4.35	4.16	1725				
3700W	15.9	9.2	7,34	7.34	1440	13.5	7.82	6.75	6.46	1745				
5500W	23.5	13.5	-	-	1440	20.8	12.0	-	-	1745				
7500W	26.0	15.0	-	-	1400	23.9	13.8	-	-	1745				

## 接线方式 WIRING DIAGRAM



#### 立式三相标准IEC铝壳(刹车)马达





輸出马达 CAPACITYP						н								kg
100W 1/8HP	200	200	110	130	160	10	23	127	10	11	12.5	4	3	3.8
200W 1/4HP	220	220	110	130	160	10	23	127	10	11	12.5	4	3	5.5
400W 1/2HP	250	250	110	130	160	10	30	159	14	14	16	5	3	6.9
750W 1HP	295	295	130	165	200	12	40	159	25	19	21.5	6	3	10.6
1500W 2HP	350	370	130	165	200	12	50	190	32	24	27	8	3.5	16.5
2200W 3HP	384	410	180	215	250	14.5	60	220	40	28	31	8	4	28
3700W 5HP	400	426	180	215	250	14.5	60	220	40	28	31	8	4	34.5
5500W 7.5HP	447	487	230	265	300	15	80	250	60	38	41.5	10	4	45
7500W 10HP	487	527	230	265	300	15	80	250	60	38	41.5	10	-4	55

备注:A1为三相带刹车马达尺寸 Remarks:Alis the size of the three-phase motor with brake

## TROUBLESHOUTING

#### ▶刹车故障排除/Trouble Remove Of Brake

不良故障 Trouble	原因分析 Possible Analysis	解决方式 Solution Method
	未供电源No power supply	供应电源Supply power
	来令片磨摸Brake disc worn out	换新来令片Use new brake disc
	间隙过大Large backlash	调整间隙Adjust backlash
	电源压力不足Low voltage	提供正确电压Use correct voltage
到车器不动作	电源供应器损坏Power supply damage	电源供应器换新Use new power
No action of brake	异物入侵 Dirty Inside	清洁零件Clean parts
	使用电压错误Wrong voltage	使用正确电压Correct voltage
	接线脱落Connect wire lost	重新接线Re-connect wire
	来令片卡死Brake disc locked	清洁零件Clean parts
	到车围烧坏Brake coil burned-out	到车线圈换新Use new brake dis
	来令片磨损Brake disc worn out	换新来令片Supply power
	间隙过大Large backlash	调整间隙Adjust backlash
	来令片沾染油渍Surface oil	清洁亲令片Clea brake disc
测车移动	负载过大Overloading	重新设计Re-design brake unit
Brake moving	到车表面歪斜Disc surface twist	更换零件Use new parts
	下降衡量过大Huge momentum	机构重新设计System re-design
	选用机型错误Select wrong type	选用正确机型Re-select unit
	环境温度过高No power supply	检查环境温度Ad just temperature

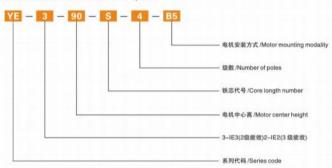
#### ▶减速机器故障排除/Trouble Shouting Gearmotor

	不良故障 Trouble	原因分析 Psilanalyis	解决方式 Solution Method
	齿轮敲击声Knocking	齿轮表面受伤Hurt gear surface	更换受伤齿轮组Replace gear set
	连续性杂音Cntinaly	轴承损坏Bad bearing	更换损坏轴承Replace bearing
噪音 Noise	周期性杂音Pridciall	异物附着齿面Prticle iside	检测齿轮齿面Check gear
IAOISG	斯斯声Neight	油量不足Lack of lubricant	漆加润滑油Fil with lub-oil
	继续性杂音ntemittetyy	润滑油不洁Dity ubricant	更换新润滑油Replace lubricant
	固定底座振动Mounting base vbration	安装平面重斜Bad surface mounting	重新调整固定底座Re adjust mounting base
振动	出力转振动Output shaft vibration	轴承损坏Bad bearing	更换报坏轴承Replace bearing
Vibration	内部齿轮零件振动Inside gear parts vibration	齿轮受损Gear wounded	更换受损齿轮Replace wounded gear
	箱体振动Housing vibration	齿轮组安装不良Bad gear assembly	重新调整齿轮组Re adjust gear set
	油封漏油Oil seal leakage	油封硬化0i1 seal too harden	更换损坏油封Replace wounded oil seal
漏油 Leakage	箱体漏油Housing leakage	籍体有砂孔Box had sand hole	更换砂孔箱体Replace sand hole box
Louisigo	结合面漏油Connect suface eakage	0-型环损坏0-ring broken	更换损坏0-型环Replace wounded
	油射Bad oil seal	0-ing油封太紧Oil seal too tight	更换太紧油封Replace tghtenoilseal
过热	箱体过热Housing too heat	过负载Over load runing	重新计算负载马力Re-calculate loading
Over heating	缺润滑油Less lubricant	油量不足Lack of lubricant	加入润滑油FII with lubricant
	马达过热Motor tooheat	马达过载Overload motor	更换新马达Replace new motor





#### ▶电机代号说明/Machine code description



#### ▶防护等级/Protection grade



#### ▶冷却方式/Cooling mode



## 普通铝壳电机

#### ▶YE2 系列技术参数/YE2 Series Technical Parameters

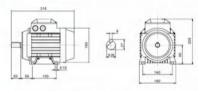
1500R/min	380V	50Hz								
화목 TYPE	器变功率 RATED OUTPUT		静定 特诺	效率 EFFI	功率。因数	鞭定 电流	脚定 特殊	塔转转矩 LOCKED ROTOR TORQUE	最大转矩 MAXIMUM TORQUE	堵转电流 LOCKED ROTOR CURRENT
	δΰι	PUT	SPEED	CENCY	POWER FOCTOR	RATED CURRENT	RATED TORQUE	額定執矩 RATED TO RQUE	額定转矩 RATED TO RQUE	額定电波 RATED CU RRENT
	KW	HP	rpm	η %(IE2)	сosФ	А	Nm	Ts/Tn	Tmax/Tn	ls/ln
YE2-802-4	0.75	1	1400	79.6	0.76	1.88	5.12	2.30	2.3	6.6
YE2-90S-4	1.1	1.5	1440	81.4	0.77	2.67	7.30	2.30	2.3	6.8
YE2-90L-4	1.5	2	1440	82.8	0.77	3.57	9.95	2.30	2.3	7.0
YE2-100L1-4	2.2	3	1440	84.3	0.81	4.90	14.60	2.30	2.3	7.6
YE2-100L2-4	3	4	1440	85.5	0.82	6.50	19.90	2.30	2.3	7.6
YE2-112M-4	4	5.5	1440	86.6	0.82	8.56	26.50	2.20	2.3	7.8
YE2-132S-4	5.5	7.5	1450	87.7	0.83	11,5	36.20	2.00	2.3	7.9
YE2-132M-4	7.5	10	1450	88.7	0.84	15.3	49.40	2.00	2.3	7.5
YE2-160M-4	11	15	1460	89.8	0.84	22.2	72.00	2.20	2.3	7.7
YE2-160L-4	15	20	1460	90.6	0.85	29.6	98.10	2.20	2.3	7.8
YE2-180M-4	18.5	25	1470	91.2	0.86	35.8	120.20	2.00	2.3	7.8
YE2-180L-4	22	30	1470	91.6	0.86	42.4	142.90	2.00	2.3	7.8

현목 TYPE	顧定 RA OUT	功率	簡定 特達 RATED	效車 EFFI CENCY	功率 因数 POWER FOCTOR	額定 电流	額定 特矩 RATED TORQUE	增转转矩 LOCKED ROTOR TORQUE	最大转矩 MAXIMUM TORQUE	增转电流 LOCKED ROTOR CURRENT
			SPEED	CENCY	FOCTOR	RATED CURRENT	TORQUE	額定執矩 RATED TO RQUE	職定執矩 RATED TO RQUE	顧定电波 RATED CU RRENT
	KW	HP	rpm	η %(IE2)	сosФ	A	Nm	Ts/Tn	Tmax/Tn	ls/ln
YE2-90S-6	0.75	1	930	75.9	0.72	2.09	7.7	2.0	2.1	6.0
YE2-90L-6	1.1	1.5	940	78.1	0.72	2.97	11.2	2.0	2.1	6.0
YE2-100L-6	1.5	2	940	79.8	0.75	3.80	15.2	2.0	2.1	6.5
YE2-112M-6	2.2	3	960	81.8	0.76	5.38	21.9	2.0	2.1	6.6
YE2-1323-6	3	4	960	83.3	0.76	7.20	29.8	2.0	2.1	6.8
YE2-132M1-6	4	5.5	960	84.6	0.76	9.45	39.8	2.0	2.1	6.8
YE2-132M2-6	5.5	7.5	960	86.0	0.77	12.6	54.7	2.0	2.1	7.0
YE2-160M-6	7.5	10	970	87.2	0.78	16.8	73.8	2.0	2.1	7.0
YE2-160L-6	11	15	970	88.7	0.78	24.2	108.3	2.0	2.1	7.2
YE2-180L-6	15	20	970	89.7	0.81	31.4	147.7	2.0	2.1	7.3

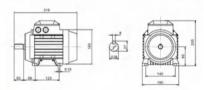
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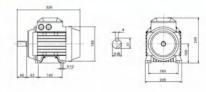
型号/Model number B3 YE2. YE3 90S



#### 型号/Model number B3 YE2.YE3 90L



#### 회号/Model number B3 YE2.YE3 100L



普通铝壳电机

#### ▶外形尺寸(单位mm)/Shape Size(mm)

#### B3 YE2.YE3 112M





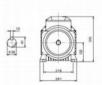
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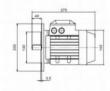


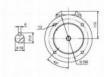
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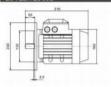
#### 製号/Modelnumber B5 YE2.YE3 80M





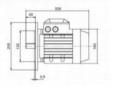
#### ▶外形尺寸(单位mm)/Shape Size(mm)

#### 型号/Modelnumber B5 YE2.YE3 90S



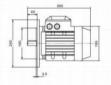


#### 型号/Modelnumber B5 YE2.YE3 90L



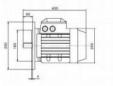


#### 型号 Modelnumber B5 YE2.YE3 100L

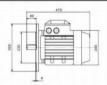


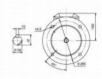


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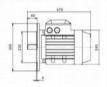


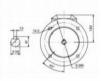




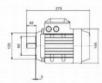


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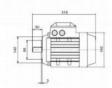


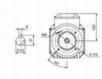
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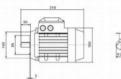
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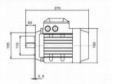
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型号/Modelnumber B14 YE2.YE3 90L



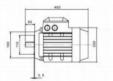


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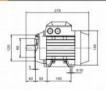


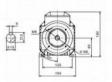
版号 Modelnumber B14 YE2.YE3 112M

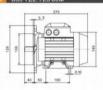


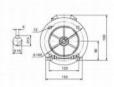


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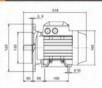


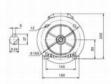




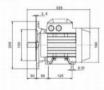


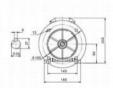
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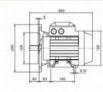


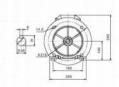
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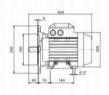


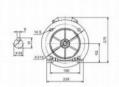
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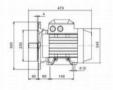


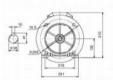
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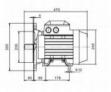


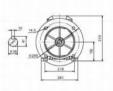


B35 YE2.YE3 132S









## 精密行星减速机&中空旋转平台

PRECISION PLANETARY REDUCER & ROTATING PLATFORM









#### ▶直齿系列型号标记/Straight tooth series model mark

		P	RF系列/PRF Sei			
PRF	90	L1	7	P1		
产品系列 Product series	产品规格 Product specification	級數 series	传动比 Gear ratio	背隙 Back clearance	输出型式 Output type	
	40、60、80、 90、120、160	L1=1級 L2=2級 L1= Level 1 L2= Level 2	L1: 3, 4, 5 7, 10 L2:12, 15, 16 20, 25, 28 30, 35, 40 50, 70, 100	P1=精密背隙 P2=标准背隙 P1= precise back clearance P2= standard back clearance	S1=光轴输出 无=带键输出 S1=optical axis output None = Output with key	电机制造商及规格包号。 也可以直接提供输出 连接尺寸 Monor manufacturers and apacifications. Output connection dimensions can also be supplied directly.

		P	RL系列/PRL Sei	ries		
PRL	90	L1	10	P1		
产品系列 Product series	产品規格 Product specification	級數 series	传动比 Gear ratio	背限 Back clearance	輸出型式 Output type	
#	40、60、80、 90、120、160	L1=1級 L2=2级 L1= Level 1 L2= Level 2	L1: 3, 4, 5 7, 10 L2:12, 15, 16 20, 25, 28 30, 35, 40 50, 70, 100	P1=精密背隙 P2=标准背隙 P1= precise back clearance P2= standard back clearance	S1=光轴输出 无一带镀输出 S1=optical axis output None = Output with key	电机制造商及缓格型导。 也可以直接提供输出 连接尺寸 Motor manufacturers and specifications. Output connection dimensions can also be supplied directly

		PV	FN系列/PVFN S	ieries		
PVFN 产品系列 Product series	90 产品规格 Product specification	L1 级数 series	10 传动比 Gear ratio	P1 背隙 Back clearance	输出型式 Output type	
1	60, 90, 120	L1=1級 L2=2級 L1= Level 1 L2= Level 2	L1: 3, 4, 5 7, 10 L2:12, 15, 16 20, 25, 28 30, 35, 40 50, 70, 100	P1=精密背隙 P2=标准背隙	S1=光轴输出 无=带镀输出 S1=optical axis output None = Output with key	电机制造商及规格型号。 也可以直接提供输出连接尺寸 Motor manufacturers and specifications. Output connection dimensions can also be supplied directly

#### ▶斜齿系列型号标记/Helical series model mark

			PX系列/PX seri			
PX	90	L1	5	P1		
产品系列 Product series	产品规格 Product specification	級數 series	传动比 Gear ratio	背隙 Back clearance	输出型式 Output type	
	42, 60, 90, 120	L1=1級 L2=2級 L1= Level 1 L2= Level 2	L1: 3, 4, 5 7, 8, 10 L2:12, 15, 20 25, 28, 30 35, 40, 50 70, 100	P1=精密育職 P2=标准育職 P1= precise back clearance P2= standard back clearance	无=带键输出 S1= optical axis output	电机制造商及规格型导。 也可以直接提供输出连接尺寸 Motor manufacturers and specifications. Output composition dimensions can also be supplied directly

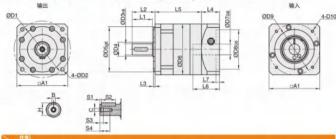
			PG系列/PG seri			
PG	90	L1	5	P1		
产品系列 Product series	产品规格 Product specification	級数 series	传动比 Gear ratio	背隙 Back clearance	输出型式 Output type	
	64、90、110	L1=1級 L2=2級 L1= Level 1 L2= Level 2	L1: 4、5、7、10 L2:16、20、25 28、35、40 50、70、100	P1=精密背際 P2=标准背隙 P1= precise back clearance P2= standard back clearance	无=盘式输出 None = Disk output	电机制造商及规格型号。 包可以直接提供输出连接尺寸 Motor manufacturers and specifications. Output connection dimensions can also be supplied directly

			XR系列/PXR se			
PXR	90	L1	10	P1		
产品系列 Product series	产品规格 Product specification	級數 series	传动比 Gear ratio	背隙 Back clearance	输出型式 Output type	
4	42, 60, 90, 120	L1=1級 L2=2級 L1= Level 1 L2= Level 2	L1: 3, 4, 5 7, 8, 10 14, 20 L2:25, 30, 35 40, 50, 70	P1=精密背險 P2=标准背險 P1= precise back clearance P2= standard back clearance	S1=光轴输出 无=带键输出 S1=optical axis output None = Output with key	电机制造商及规格生 号。 也可以直接提供输让 连接尺寸 Motor manufacturers and specifications. Output connection dimensions can also be supplied directly

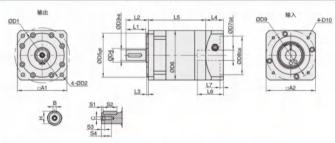
#### ▶PRF系列行星减速机技术参数/PRF series planetary reducer technical parameters

技术参数 Technical par	ameter	規格 specification							
ecimical pa	級数 Series	進比 Speed ratio	PRF40		PRF80				PRF160
		3	1.	27	50	96		161	364
		4	16	40	90	12	2	210	423
	L1	5	15	40	90	12	2	210	423
		7	12	34	48	95		170	358
额		10	10	16	22	56		86	210
定扭		12		27	50	96		161	364
矩 (Nm)		15	1	27	50	96		161	364
TN		16	16	40	90	12	2	210	423
Rated torque (Nm) TN		20	15	40	90	12	2	210	423
d toro		25	16	40	90	12	2	210	423
tue (i	10	28	16	40	90	12	2	210	423
Ē	L2	30	1	27	50	96	3	161	364
Z		35	12	40	90	12	2	210	423
		40	16	40	90	12	2	210	423
		50	15	40	90	12	2	210	423
		70	12	34	48	95	,	170	358
		100	10	16	22	56	3	86	210
最大扭矩	Maximum torqu	ie	Nm		1.5倍額	定扭矩 1.5 ti	mes rate	ed torque	
紧急制动扭矩	Emergency bra	king torque	Nm		2倍額2	它扭矩 2 tin	nes rate	d torque	
最大容许径向	ל Maximum allow	vable radial force	N	185	240	400	450	1240	2250
最大容许轴向:	ர் Maximum allov	vable axial force	N	150	220	420	430	1000	1500
抗扭剛性	Torsional rigidi	ty	Nm/arcmin	0.7	1.8	4.7	4.85	11	35
最大输入转速	Maximum input	tspeed	rpm	8000	8000	6000	6000	6000	4000
原定输入转速	Rated input spi	eed	rpm	4500	4000	3500	3500	3500	3000
操音	noise		dB	≤55	≤58	≤60	≤60	≤65	≤70
平均寿命	Mean life		h			200	00		
青龍效率	Full-load effici	ency	%			L1≥96% I	L2≥94%		
防护等级 Cla	ss of protection				IP65				
工作温度 Ope	erating temperature				90℃至-10	o'tc			
重量 (kg)	L	1	0.43	0.98	2.3	3.1	2	7.08	15.5
- Ingl	L	2	0.65	1.26	2.97	3.8	2	8.7	17

#### ▶PRF系列行星减速机标准尺寸/PRF series planetary reducer standard size

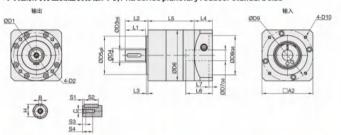


D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	A1	A2	S1	\$2	S3	S4	В	н	C
3.5	10	15	35	42	8	30	46	M4	23	26	2	20	42	27	3.5	42	42	2	16	3	9	3	11.2	МЗ
5.5	14	17	50	60	14	50	70	M4.	30	35	3	21	56	31	4	60	60	3	20	5	18	5	16	M5
6.5	20	25	60	80	19	70	90	M5	36	40.5	3	38	60.5	42	5	80	80	4	25	6	18	6	22.5	M6
6.5	20	25	80	90	19	70	90	M5	36	40.5	3	32	77.5	47	6	90	90	3	25	6	18	6	22.5	M6
8.5	25	35	110	120	22	110	145	M8	50	55.5	4	50	96.5	57.5	10	120	120	5	40	8	25	8	28	M10
11	40	55	130	165	35	1143	200	M12	80	87	5	62	132	86	10	165	176	5	65	8	36	12	43	M16
	3.5 5.5 6.5 6.5 8.5	3.5 10 5.5 14 6.5 20 6.5 20 8.5 25	3.5 10 15 5.5 14 17 6.5 20 25 6.5 20 25 8.5 25 35	3.5 10 15 35 5.5 14 17 50 6.5 20 25 60 6.5 20 25 80 8.5 25 35 110	3.5 10 15 35 42 5.5 14 17 50 60 6.5 20 25 60 80 6.5 20 25 80 90 8.5 25 35 110 120	3.5 10 15 35 42 8 5.5 14 17 50 60 14 6.5 20 25 60 80 19 6.5 20 25 80 90 19 8.5 25 35 110 120 22	3.5 10 15 35 42 8 30 5.5 14 17 50 60 14 50 6.5 20 25 60 80 19 70 6.5 20 25 80 90 19 70 8.5 25 35 110 120 22 110	3.5         10         15         35         42         8         30         46           5.5         14         17         50         60         14         50         70           6.5         20         25         60         80         19         70         90           6.5         20         25         80         90         19         70         90           8.5         25         35         110         120         22         110         145	3.5 10 15 35 42 8 30 46 M4 55.5 14 17 50 60 14 50 70 M4 65.5 20 25 60 80 19 70 90 M5 65.5 25 35 110 120 22 110 145 M8 11 40 55 130 165 35 1143 200 M12	3.5 10 15 35 42 8 30 46 M4 23 5.5 14 17 50 80 19 70 90 M5 56 52 5 8 10 10 10 10 10 10 10 10 10 10 10 10 10	3.5         10         15         35         42         8         30         46         M4         23         26           5.5         14         17         80         60         80         19         70         90         M5         36         40.5           6.5         20         28         80         80         19         70         90         M5         36         40.5           6.5         25         28         80         90         19         70         90         M5         36         40.5           11         40         55         130         163         32         1114         200         M12         36         40.5	3.5         10         15         35         42         8         30         46         M4         23         26         2           5.5         1         17         50         60         14         50         70         8M         30         35         3         14.5         40.5         3	3.5 10 15 45 45 42 8 30 46 M4 23 26 2 2 2 3 4 5 5 2 2 6 5 5 4 5 5 6 5 6 5 6 5 6 6 6 6 6 6 6 6	3.5 10 15 35 42 8 30 46 M4 23 26 2 20 4 2 5 5 5 1 17 5 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3.5 10 15 35 42 8 30 46 M4 23 26 2 20 42 27 55 14 17 50 60 14 50 70 90 M5 36 40,5 3 36 60,5 42 60 50 50 50 50 50 50 50 50 50 50 50 50 50	3.5 10 15 35 42 8 30 46 14 23 26 2 10 42 27 3.5 5.5 14 17 50 60 14 50 70 144 30 35 35 32 15 8 31 1 6.5 20 25 60 80 19 70 90 145 36 40.5 3 38 60.5 42 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	3.5 10 15 35 42 8 30 46 84 23 88 2 20 42 27 3.5 42 55 51 51 51 51 51 51 51 51 51 51 51 51	3.5 10 15 35 42 8 30 46 M4 23 26 2 20 42 27 3.5 42 42 55.5 15 17 17 50 60 14 50 70 M4 30 35 3 21 56 31 4 60 60 60 65 20 25 60 80 19 70 90 M5 36 40.5 3 32 77.5 47 6 90 90 85 25 20 25 80 90 19 70 90 M5 36 40.5 3 32 77.5 47 6 90 90 85 25 35 35 110 120 22 110 145 M6 50 55.5 4 50 96.5 57.5 10 120 120 120	3.5 10 15 15 25 26 28 30 46 M4 23 26 2 2 20 42 27 3.5 42 22 2 3 3 4 4 5 2 5 2 5 2 2 5 2 5 2 5 2 5 2 5 2 5	3.5 10 15 15 35 42 8 30 46 M4 23 26 2 2 20 42 27 3.5 42 42 2 2 16 5 5 14 17 50 60 17 50 14 50 70 M5 20 18 18 18 18 18 18 18 18 18 18 18 18 18	3.5 10 15 15 35 42 8 30 46 M4 23 26 2 2 20 42 27 3.5 42 42 2 21 16 3 3 5 5 14 17 50 60 14 50 17 0 M8 30 35 3 3 36 60.5 42 5 6 8 0 5 6 6 5 20 25 6 8 0 50 19 7 0 90 M5 36 40.5 3 3 86 60.5 42 5 8 0 80 4 25 8 6 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8	3.5 10 15 35 42 8 30 46 M4 23 26 2 2 00 42 27 3.5 42 42 2 16 3 3 9 1	3.5 10 15 35 42 8 30 46 M4 23 26 2 20 42 27 3.5 42 42 2 2 16 6 3 9 3 3 5 15 15 15 15 15 15 15 15 15 15 15 15 1	3.5 10 15 35 42 8 30 46 14 23 26 2 20 42 27 3.5 42 42 2 16 6 3 9 3 1.2 2 15 15 15 15 15 15 15 15 15 15 15 15 15

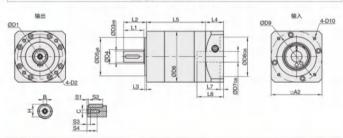


	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	A1	A2	S1	S2	S3	S4	В	H	C
PRF40-L2	50	3.5	10	15	35	42	8	30	46	M4	23	26	2	20	57	27	3.5	42	42	2	16	3	9	3	11.2	МЗ
PRF60-L2	70	5.5	14	17	50	60	14	50	70	M4	30	35	3	21	73.5	31	4	60	60	3	20	5	18	5	16	M5
PRF80-L2	90	6.5	20	25	60	80	19	70	90	M5	36	40.5	3	38	80.5	42	5	80	80	4	25	6	18	6	22.5	MB
PRF90-L2	100	6.5	20	25	80	90	19	70	90	M5	36	40.5	3	32	97.5	47	6	90	90	3	25	6	18	6	22.5	M6
PRF120-L2	130	8.5	25	35	110	120	22	110	145	MB	50	55.5	4	50	129	57.5	10	120	120	5	40	8	25	8	28	M10
PRF160-L2	185	11	40	55	130	165	35	114.3	200	M12	80	87	5	62	173	86	10	165	176	5	65	8	36	12	43	M16

#### ▶PRL系列行星滅速机标准尺寸/PRL series planetary reducer standard size



D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	A2	S1	S2	S3	S4	В	Н	С
34	M4	10	15	26	42	8	30	46	M4	23	26	2	20	42	27	3.5	42	2	16	3	9	3	11.2	МЗ
52	M5	14	17	40	60	14	50	70	M4	30	35	3	21	56	31	4	60	3	20	5	18	5	16	M5
70	M6	20	25	60	80	19	70	90	M5	36	40.5	3	38	60.5	42	5	80	4	25	6	18	6	22.5	M6
80	M6	20	25	68	90	19	70	90	M5	36	40.5	3	32	77.5	47	6	90	3	25	6	18	6	22.5	M6
100	M10	25	35	80	120	22	110	145	M8	50	55.5	4	50	96.5	57.5	10	120	5	40	8	25	8	28	M10
145	M12	40	55	130	165	35	1143	200	M12	80	87	5	62	132	86	10	176	5	65	8	36	12	43	M16
-	34 52 70 80	34 M4 52 M5 70 M6 80 M6 100 M10	34 M4 10 52 M5 14 70 M6 20 80 M6 20	34 M4 10 15 52 M5 14 17 70 M6 20 25 80 M6 20 25 100 M10 25 35	34 M4 10 15 26 52 M5 14 17 40 70 M6 20 25 60 80 M6 20 25 68 100 M10 25 35 80	34 M4 10 15 26 42 52 M5 14 17 40 60 70 M6 20 25 60 80 80 M6 20 25 68 90 100 M10 25 35 80 120	34 M4 10 15 26 42 8 52 M5 14 17 40 60 14 70 M6 20 25 60 80 19 80 M6 20 25 68 90 19 100 M10 25 35 80 120 22	34 M4 10 15 26 42 8 30 52 M5 14 17 40 60 14 50 70 M6 20 25 60 80 19 70 80 M6 20 25 68 90 19 70 100 M10 25 35 80 120 22 110	34 M4 10 15 26 42 8 30 46 52 M5 14 17 40 60 14 50 70 70 M6 20 25 60 80 19 70 90 80 M6 20 25 56 8 90 19 70 90 100 M10 25 35 80 120 22 110 145	34 M4 10 15 26 42 8 30 46 M4 52 M5 14 17 40 60 14 50 70 M4 60 M6 14 50 70 M4 60 M6	34 M4 10 15 26 42 8 30 46 M4 23 52 M5 14 17 40 60 14 50 70 M4 30 70 M6 20 25 60 80 19 70 90 M5 36 80 M6 20 25 68 90 19 70 90 M5 36 80 M10 25 35 80 120 22 110 145 M8 50	DEFINITION OF THE PROPERTY OF	D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 L1 L2 D3 D4 D4 D5 D6 D7 D8 D9 D10 L1 L2 D3 D5 D6 D7 D8 D9 D10 L1 L2 D3 D5 D6 D6 D7 D8 D9 D8	34 M4 10 15 26 42 8 30 46 M4 23 26 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	DI 02 03 04 05 06 07 08 09 010 1.1 12 13 14 15 14 15 14 15 15 16 14 15 15 16 14 15 15 16 14 15 15 16 14 15 15 16 14 15 15 16 14 15 16 16 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	D1 02 03 04 05 06 07 08 09 010 1.1 12 13 14 15 16 18 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	DI 02 03 04 05 06 07 08 09 010 L1 L2 L3 L4 L5 L6 L7 34 M4 10 15 26 42 8 30 46 M4 23 26 2 20 42 27 3.5 24 M5 14 17 40 60 14 50 070 M4 30 35 3 21 156 31 4 17 M6 80 19 70 M6 30 35 3 8 10.5 4 5 2 8 10 19 70 M6 30 M5 26 45 3 8 10.5 4 5 10 10 10 10 10 10 10 10 10 10 10 10 10	DI 02 D3 04 D5 D6 D7 D8 D9 D10 L1 L2 L3 L4 L5 L6 L7 D4	DI 02 D3 04 D5 D6 D7 D8 D9 D10 L1 L2 L3 L4 L5 L6 L7 A2 S1 M4 H5	DI 02 D3 04 D5 D6 D7 D8 D9 D10 L1 L2 L3 L4 L5 L6 L7 A2 S1 S2 S3 M4 10 15 C6 L2 B 3 0 46 M4 23 26 2 20 42 27 3.5 42 2 16 S2 M5 14 17 40 60 14 50 70 M4 30 35 3 21 56 31 4 6 03 2 2 6 0 2 2 0 42 27 3.5 42 2 16 S2 M5 14 17 40 60 14 50 70 M4 30 35 3 21 56 31 4 6 0 3 2 2 0 4 2 27 M6 14 50	DI OZ D3 04 D5 D6 D7 D8 D9 D10 L1 L2 L3 L4 L5 L6 L7 A2 S1 S2 S3 M4 H4 10 15 26 42 8 30 46 M4 23 26 2 20 42 27 3.5 42 2 16 3 S2 M5 M5 14 17 40 80 14 50 70 M4 30 35 3 21 86 31 4 8 80 3 20 5 70 M6 20 25 60 80 19 70 90 M5 36 40.5 3 38 60.5 42 5 80 42 5 80 19 M5 36 M5 20 M6 20 25 88 90 19 70 90 M5 36 40.5 3 38 60.75 42 5 80 4 25 8 80 10 M6 20 25 88 90 19 70 90 M5 36 40.5 3 38 60.75 10 80 90 32 5 6 80 10 M6 20 25 88 90 19 70 90 M5 36 40.5 3 38 60.75 10 120 5 80 32 5 6 100 M10 25 35 80 120 22 110 145 M8 50 55.5 4 50 90.5 57.5 10 120 5 40 8	DI 02 03 04 05 06 07 08 09 010 11 12 13 14 15 16 17 A2 81 82 83 84 84 10 15 26 42 8 30 46 M4 23 26 2 20 42 27 3.5 42 2 16 3 9 8 18 18 18 18 18 18 18 18 18 18 18 18 1	DI 02 03 04 05 06 07 08 09 010 1.1	DI 02 03 04 05 06 07 08 09 010 1.1



Auction type																									
	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	A2	S1	S2	S3	S4	В	н	C
PRL40-L2	34	M4	10	15	26	42	8	30	46	M4	23	26	2	20	57	27	3.5	42	2	16	3	9	3	11.2	МЗ
PRL60-L2	52	M5	14	17	40	60	14	50	70	M4	30	35	3	21	73.5	31	4	60	3	20	5	18	5	16	M5
PRL80-L2	70	M6	20	25	60	80	19	70	90	M5	36	40.5	3	38	80.5	42	5	80	4	25	6	18	6	22.5	M6
PRL90-L2	80	M6	20	25	68	90	19	70	90	M5	36	40.5	3	32	97.5	47	6	90	3	25	6	18	6	22.5	M6
PRL120-L2	100	M10	25	35	80	120	22	110	145	MB	50	55.5	4	50	129	57.5	10	120	5	40	8	25	8	28	M10
PRL160-L2	145	M12	40	55	130	165	35	114.3	200	M12	80	87	5	62	173	86	10	176	5	65	8	36	12	43	M16

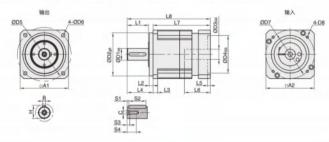
#### ▶PX系列行星减速机技术参数/PX series planetary reducer technical parameters

W. A. B. Tarak	inical paramete		cification 規格				
最大扭矩	Maximum torque		Nm	1.5	倍額定扭矩	1.5 times rated to	rque
紧急制动扭矩	Emergency brai	ing torque	Nm	2.5	倍额定扭矩	2.5 times rated to	rque
最大容许径向力	Maximum allow	able radial force	N	780	1530	3250	6700
最大容许轴向力	Maximum allow	able axial force	N	390	630	1300	3000
抗扭削性	Torsional rigidit	y	Nm/arcmin	2.5	6	12	23
最大输入转速	Maximum input	speed	rpm	8000	8000	8000	8000
原定输入转速	Rated input spe	ed	rpm	4000	4000	3000	3000
樂音	Noise		dB	≤56	≤58	≤60	≤65
平均寿命	Mean life		h		2	0000	
满载效率	Full-load efficie	ncy	%		L1≥95%	L2≥90%	
	P1	L1	arcmin	≤3	≤3	≤3	≤3
回程间隙	PI	L2	arcmin	≤5	≤5	≤5	≤5
Return clearance	P2	L1	arcmin	≤5	≤5	≤5	≪5
	PZ	L2	arcmin	≤7	≤7	≤7	≤7
		3	Kg.cm²	1	0.16	0.61	3.25
		4	Kg.cm <sup>2</sup>	0.03	0.14	0.48	2.74
		5	Kg.cm <sup>2</sup>	0.03	0.13	0.47	2.71
	L1	7	Kg.cm <sup>2</sup>	0.03	0.13	0.45	2.62
		8	Kg.cm²	0.03	0.13	0.45	2.60
		10	Kg.cm <sup>2</sup>	0.03	0.13	0.40	2.57
		12	Kg.cm²	1	0.13	0.45	0.45
转动惯量		15	Kg.cm²	1	0.13	0.45	0.45
Moment of inertia		20	Kg.cm²	0.03	0.13	0.45	0.45
normani or morea		25	Kg.cm²	0.03	0.13	0.45	0.40
		28	Kg.cm <sup>2</sup>	0.03	0.13	0.45	0.45
	L2	30	Kg.cm <sup>2</sup>	1	0.13	0.45	0.45
		35	Kg.cm²	0.03	0.13	0.40	0.40
		40	Kg.cm²	0.03	0.13	0.45	0.45
		50	Kg.cm <sup>2</sup>	0.03	0.13	0.40	0.40
		70	Kg.cm²	0.03	0.13	0.40	0.40
		100	Kg.cm²	0.03	0.13	0.40	0.40

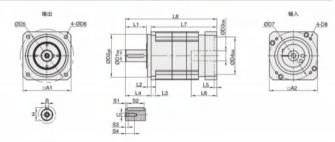
#### ▶PX系列行星减速机技术参数/PX series planetary reducer technical parameters

<b>◆数 Technica</b>	I parameter	Specification 規格				
	級數 Series	連比 Speed ratio				
		3	1	40	105	165
		4	17	45	130	230
		5	15	45	130	230
	L1	7	12	45	100	220
		8	1	40	90	200
		10	10	30	75	175
額 定 扭		12	1	40	105	165
矩 (Nm) T <sub>n</sub>		15	1	40	105	165
		20	17	45	130	230
Rated torque (Nm) TN		25	15	45	130	230
(Nm) TI		28	17	45	130	230
2	L2	30	1	40	105	165
		35	15	45	130	230
		40	17	45	130	230
		50	15	45	130	230
		70	12	45	100	220
		100	10	30	75	175
护等级 Class o	f protection			IP65		
作温度 Operati	ing temperature			90℃至-10℃		
		Li	0.5	1.25	3.75	8.5
重量(kg)		L2	0.8	1.75	5.1	12

#### ▶PX系列行星减速机标准尺寸/PX series planetary reducer standard size

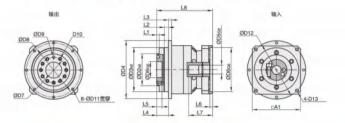


D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3	L4	L5	L6	L7	L8	A1	A2	S1	S2	S3	S4	В	н	С
13	35	8	30	50	3.5	46	M4	19.5	5.5	4	26	3.5	28	58.5	84.8	42.6	42.6	2	16	4	12	5	15	M4
16	50	14	50	70	5.5	70	M4	29	7	8	37	4	32	70.5	107.5	60	60	3	20	5	15	5	18	M5
22	80	19	70	100	6.5	90	M5	39.5	7	8.5	48	5	48	106.5	154.5	90	90	3	32	5	17	6	24.5	M6
32	110	22	110	130	8.5	145	MB	50	10	12	62	7	60	131.5	193.5	120	130	5	40	6	25	10	35	M12
	13 16 22	13 35 16 50 22 80	13 35 8 16 50 14 22 80 19	13 35 8 30 16 50 14 50 22 80 19 70	13 35 8 30 50 16 50 14 50 70 22 80 19 70 100	13 35 8 30 50 3.5 16 50 14 50 70 5.5 22 80 19 70 100 6.5	13 35 8 30 50 3.5 46 16 50 14 50 70 5.5 70 22 80 19 70 100 6.5 90	13 35 8 30 50 3.5 46 M4 16 50 14 50 70 5.5 70 M4 22 80 19 70 100 6.5 90 M5	13 35 8 30 50 3.5 46 M4 19.5 16 50 14 50 70 5.5 70 M4 29 22 80 19 70 100 6.5 90 M5 39.5	13 35 8 30 50 3.5 46 M4 19.5 5.5 16 50 14 50 70 5.5 70 M4 29 7 22 80 19 70 100 6.5 90 M5 39.5 7	13         35         8         30         50         3.5         46         M4         19.5         5.5         4           16         50         14         50         70         5.5         70         M4         29         7         8           22         80         19         70         100         6.5         90         M5         39.5         7         8.5	D1         D2         D3         D4         D5         D6         D7         D8         L1         L2         L3         L4           13         35         8         30         50         3.5         46         M4         19.5         5.5         4         26           16         50         14         50         70         5.5         70         M4         29         7         8         37         48           22         80         19         70         100         6.5         90         M5         39.5         7         8.5         48	D1 D2 D3 D4 D5 D6 D7 D8 L1 L2 L3 L4 L5	13 35 8 30 50 3.5 46 M4 19.5 5.6 4 26 3.5 28 16 50 14 50 70 5.5 70 M4 29 7 8.5 37 4 32 22 80 19 70 100 6.5 90 M5 39.5 7 8.5 48 5 48	D1 D2 D3 D4 D5 D6 D7 D8 L1 L2 L3 L4 L5 L6 L7 13 35 6 30 50 3.5 46 M4 19.5 5.5 4 26 3.5 28 58.5 16 50 14 50 70 5.5 70 M4 29 7 8 37 4 32 70.5 22 80 19 70 100 6.5 90 M5 39.5 7 8.5 48 5 48 106.5	D1 D2 D3 D4 D5 D6 D7 D8 L1 L2 L3 L4 L5 L6 L7 L8 L1 D5 D6 D7 D8 L1 L7 L9 L3 L4 L5 L6 L7 L8 L1 D5 D6 D8	D1 D2 D3 D4 D5 D6 D7 D8 L1 L2 L3 L4 L5 L6 L7 L8 A1 13 35 8 30 50 3.5 46 M4 19.5 5.5 4 26 3.5 28 56.5 848 42.6 16 50 14 50 70 5.5 70 M4 29 7 8 37 4 32 70.5 107.5 60 22 80 19 70 100 6.5 90 M5 39.5 7 8.5 48 5 48 106.5154.5 90	D1 D2 D3 D4 D5 D6 D7 D8 L1 L2 L3 L4 L5 L6 L7 L8 A1 A2 13 35 8 30 50 3.5 46 M4 19.5 5.5 4 26 3.5 28 56.5 648 42.642.6 16 50 14 50 70 5.5 70 M4 29 7 8 37 4 32 70.5 107.5 60 60 22 80 19 70 100 6.5 90 M5 39.5 7 8.5 48 5 48 106.5154.5 90 90	D1 D2 D3 D4 D5 D6 D7 D8 L1 L2 L3 L4 L5 L6 L7 L8 L4 A2 S1 13 35 8 30 50 3.5 48 M4 19.5 5.5 4 26 3.5 28 58.5 84.8 42.6 42.6 2 16 50 14 50 70 5.5 70 M4 29 7 8.5 37 4 32 70.5 107.5 60 80 3 22 80 19 70 100 6.5 90 M5 39.5 7 8.5 48 5 48 105.51545 90 90 3	D1 D2 D3 D4 D5 D6 D7 D8 L1 L2 L3 L4 L5 L6 L7 L8 A1 A2 S1 S2 13 35 8 30 50 3.5 46 M4 19.5 5.5 4 26 3.5 28 58.5 84.8 42.6 42.6 2 16 16 50 14 50 70 5.5 70 M4 29 7 8.5 48 37 4 32 70.5 107.5 60 60 3 20 2 80 19 70 100 6.5 90 M5 39.5 7 8.5 48 5 48 106.5154.5 90 90 3 3	D1 D2 D3 D4 D5 D6 D7 D8 L1 L2 L3 L4 L5 L6 L7 L8 A1 A2 S1 S2 S3 L3 S5 8 30 50 3.5 46 M4 19.5 5.5 4 26 3.5 28 58.5 84.8 42.6 42.6 2 16 4 4 16 50 14 50 70 5.5 70 M4 29 7 8.3 37 4 32 70.5 107.5 60 60 3 20 5 2 8 80 19 70 100 6.5 90 M5 39.5 7 8.5 48 5 48 106.5154.5 90 90 3 3 22 5	D1 D2 D3 D4 D5 D6 D7 D8 L1 L2 L3 L4 L5 L6 L7 L8 A1 A2 S1 S2 S3 S4 S3 S5	D2 D3 D4 D5 D6 D7 D8 L1 L2 L3 L4 L5 L6 L7 L8 A1 A2 S1 S2 S3 S4 B1	D1 D2 D3 D4 D5 D6 D7 D8 L1 L2 L3 L4 L5 L6 L7 L8 A1 A2 S1 S2 S3 S4 B H L3 S5 S5 S4 S6

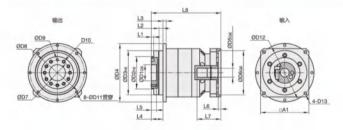


MED PROPERTY TO SERVE	2																									
	D	1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3	L4	L5	L6	L7	L8	A1	A2	S1	S2	S3	S4	В	Н	C
PX42-L	2 1	3	35	8	30	50	3.5	46	M4	19.5	5.5	4	26	3.5	28	80	106	42.6	42.6	2	16	4	12	5	15	M4
PX60-L	2 1	5	50	14	50	70	5.5	70	M4	29	7	8	37	4	32	98	135	60	60	3	20	5	15	5	18	M5
PX90-L	2 2	2	80	19	70	100	6.5	90	M5	39.5	7	8.5	48	5	48	141	189	90	90	3	32	5	17	6	24.5	M6
PX120-	L2 3	2	110	22	110	130	8.5	145	M8	50	10	12	62	7	60	182.5	244.5	120	130	5	40	6	25	10	35	M12
PX120-	L2 3	2	110	22	110	130	8.5	145		客户第		-				-	-	120	16	30	30 5	30 5 40	30 5 40 6	30 5 40 6 25	30 5 40 6 25 10	30 5 40 6 25 10 35

#### ▶PG系列行星減速机标准尺寸/PG series planetary reducer standard size

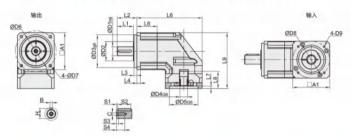


们型 Wastina bype																						
	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	Lt	L2	L3	L4	L5	L6	L7	L8	A1
PG64-L1	20	40	64	86	14	50	31.5	79	5	一销 7-M5	4.5	70	M4	3	7	4	19. 5	8	4	32.5	81	60
PG90-L1	31.5	63	90	118	19	70	50	109		一朝 7-M6	5.5	90	M5	6	10	7	30	12	6	43	105.5	90
PG110-L1	40	80	110	145	22	110	63	135		11-M6	5.5	145	M8	6	14.5	8	29	13	7	59.5	139	120

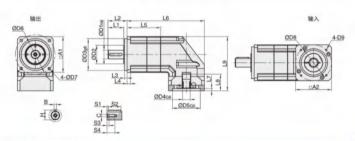


机型 Median tops																						
	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	Li	L2	L3	L4	L5	L6	L7	L8	A1
PG64-L2	20	40	64	86	14	50	31.5	79	七刊 5	一铜 7-M5	4.5	70	M4	3	7	4	19.5	8	4	32.5	104.5	60
PG90-L2	31.5	63	90	118	19	70	50	109	七孔	一销 7-M6	5.5	90	M5	6	10	7	30	12	6	43	135	90
PG110-L2	40	80	110	145	22	110	63	135	+-7		5.5	145	M8	6	14.5	8	29	13	7	59.5	173	120

#### ▶PXR系列行星减速机标准尺寸/PXR series planetary reducer standard size



												P	XR-	Li												
D1	D2	D3	D4	D5	D6	D7	D8	D9	L1	L2	L3	L4	L5	L6	L7	L8	L9	A1	A2	S1	S2	S3	S4	В	Н	С
13	19.5	35	8	30	50	3.5	46	M4	19.5	26	5.5	4	23.8	78.8	3.5	28	71.1	42.6	42.6	2	16	4	12	5	15	M4
16	28. 9	50	14	50	70	5.5	70	M4	29	37	7	8	30.5	106.9	4	34	105	60	60	3	20	5	15	5	18	M5
22	48. 5	80	19	70	100	6.5	90	M5	39.5	48	7	8.5	49.5	159.5	6	42	136	90	90	3	32	5	20	6	24.5	M6
32	58.6	110	22	110	130	8.5	145	M8	50	62	10	12	65	210	7	58	189.5	120	120	5	40	6	25	10	35	M12
	13 16 22	13 19.5 16 28.9 22 48.5	13 19.5 35 16 28.9 50 22 48.5 80	13 19.5 35 8 16 28.9 50 14 22 48.5 80 19	13 19.5 35 8 30 16 28.9 50 14 50 22 48.5 80 19 70	13 19.5 35 8 30 50 16 28.9 50 14 50 70 22 48.5 80 19 70 100	13 19.5 35 8 30 50 3.5 16 28.9 50 14 50 70 5.5 22 48.5 80 19 70 100 6.5	13 19.5 35 8 30 50 3.5 46 16 28.9 50 14 50 70 5.5 70 22 48.5 80 19 70 100 6.5 90	13 19.5 35 8 30 50 3.5 46 M4 16 28.9 50 14 50 70 5.5 70 M4 22 48.5 80 19 70 100 6.5 90 M5	13 19.5 35 8 30 50 3.5 46 M4 19.5 16 28.9 50 14 50 70 5.5 70 M4 29 22 48.5 80 19 70 100 6.5 90 M5 39.5	13 19.5 35 8 30 50 3.5 46 M4 19.5 26 16 28.9 50 14 50 70 5.5 70 M4 29 37 22 48.5 80 19 70 100 6.5 90 M5 39.5 48	13 19.5 35 8 30 50 3.5 46 M4 19.5 26 5.5 16 28.9 50 14 50 70 5.5 70 M4 29 37 7 22 48.5 80 19 70 100 6.5 90 M5 39.5 48 7	D1 02 03 04 05 06 07 08 09 11 L2 L3 L4 13 18 5 35 8 30 50 3.5 46 M4 19.5 26 5.5 4 16 28 9 50 14 50 70 5.5 70 M4 29 37 7 8 22 48 5 80 19 70 100 6.5 90 M5 39.5 48 7 8.5	D1 D2 D3 D4 D5 D6 D7 D8 D9 L1 L2 L3 L4 L5	13 19.5 35 8 30 50 3.5 46 M4 19.5 26 5.5 4 23.8 78.8 16 28.9 50 14 50 70 5.5 70 M4 29 37 7 8 30.5106.9 22 48.5 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 49.5159.5	D1 02 03 04 05 06 07 08 09 11 12 13 14 15 16 17 13 18.5 35 8 30 50 3.5 46 M4 19.5 26 5.5 4 23.8 78.8 35 16 28.9 50 14 50 70 5.5 70 M4 29 37 7 6 30.5106.9 4 22 48.5 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 49.5159.5 6	D1 D2 D3 D4 D5 D6 D7 D8 D9 L1 L2 L3 L4 L5 L6 L7 L6 13 18 5 35 8 30 50 3.5 46 M4 19.5 26 5.5 4 23.8 78.8 3.5 28 16 28 9 50 14 50 70 5.5 70 M4 29 37 7 8 30.5 106.9 4 34 22 48 5 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 49.5 159.5 6 42	D1 02 03 04 05 06 07 08 09 11 L2 L3 L4 L5 L6 L7 L8 L3 13 18 5 35 8 30 50 3.5 46 M4 19.5 26 5.5 4 23.8 78.8 3.5 28 71.1 16 28 9 50 14 50 70 5.5 70 M4 29 37 7 8 30.5 106.9 4 34 105 22 48.5 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 48.5 159.5 6 42 136	D1 D2 D3 D4 D5 D6 D7 D8 D9 D1 L2 L2 L3 L4 L5 L6 L7 L8 L9 A1 13 18 5 35 8 30 50 3.5 46 M4 19.5 26 5.5 4 23.8 78.8 35 28 71.1 42.6 16 28 9 50 14 50 70 5.5 70 M4 29 37 7 8 30.5 106.9 4 34 105 60 22 48 5 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 49.5 19.5 6 42 138 90	D1 D2 D3 D4 D5 D6 D7 D8 D9 D1 L2 L3 L4 L5 L6 L7 L8 L9 A1 A2 13 18 5 35 8 30 50 3.5 46 M4 19.5 26 5.5 4 23.8 78 3.5 28 71.1 42.6 42.6 16 28 9 50 14 50 70 5.5 70 M4 29 37 7 8 30.5 10.8 4 34 105 60 60 22 48 5 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 49.5 19.5 6 42 138 90 90	D1 D2 D3 D4 D5 D6 D7 D8 D9 L1 L2 L3 L4 L5 L6 L7 L6 L9 A1 A2 S1 13 18.5 35 8 30 50 3.5 46 M4 19.5 26 5.5 4 23.8 788 35 28 71.1 42.6 42.6 2 16 28.9 50 14 50 70 5.5 70 M4 29 37 7 8 30.5 10.5 9 4 34 105 60 60 3 22 48.5 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 49.5 19.5 6 42 138 90 90 3	D1 D2 D3 D4 D5 D6 D7 D8 D9 L1 L2 L3 L4 L5 L6 L7 L8 L9 A1 A2 S1 S2 13 18.5 35 8 30 50 3.5 46 M4 19.5 26 5.5 4 23.8 78.8 3.5 28 71.1 42.6 42.6 2 16 16 28.9 50 14 50 70 5.5 70 M4 29 37 7 8 30.5 106.9 4 34 105 60 60 3 20 22 48.5 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 48.5 195.5 6 42 138 90 90 3 3 22	D1 D2 D3 D4 D5 D6 D7 D8 D9 L1 L2 L3 L4 L5 L6 L7 L8 L9 A1 A2 S1 S2 S3 13 15.5 35 8 30 50 3.5 46 M4 19.5 26 5.5 4 23.8 78.8 3.5 28 77.1 42.6 42.6 2 16 4 16 28.9 50 14 50 70 5.5 70 M4 29 37 7 8 30.5 106.9 4 34 16 60 60 3 20 5 22 48.5 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 48.5 195.5 6 42 186 90 90 3 3 25	D1 D2 D3 D4 D5 D6 D7 D8 D9 L1 L2 L3 L4 L5 L6 L7 L8 L9 A1 A2 S1 S2 S3 S4 13 18.5 35 8 30 50 3.5 46 M4 19.5 26 5.5 4 23.8 78.8 3.5 28 71.1 42.6 42.6 2 16 4 12 16 28.9 50 14 50 70 5.5 70 M4 29 37 7 8 30.5 106.9 4 34 105 60 60 3 20 5 15 22 48.5 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 49.5 159.5 6 42 136 90 90 3 32 5 20	D1 D2 D3 D4 D5 D6 D7 D8 D9 L1 L2 L3 L4 L5 L6 L5 L6 L7 L8 L9 L1 L2 L3 L4 L5 L6 L7 L8 L9 L1 L2 L3 L4 L5 L6 L7 L8 L9 L1 L2 L3 L4 L5 L6 L7 L8 L9 L1 L2 L3 L4 L5 L6 L7 L8 L9 L1 L2 L3 L4 L5 L6 L9 L1 L4 L4 L4 L5	D1 D2 D3 D4 D5 D6 D7 D8 D9 L1 L2 L3 L4 L5 L6 L7 L6 L9 L1 L2 L5



D3 D4	-																						
	D5	D6	D7	D8	D9	L1	L2	L3	L4	L5	L6	L7	L8	L9	A1	A2	S1	S2	S3	\$4	В	Н	C
35 8	30	50	3.5	46	M4	19.5	26	5.5	4	45	100	3.5	28	71.1	42.6	42.6	2	16	4	12	5	15	M4
50 14	50	70	5.5	70	M4	29	37	7	8	58	134.4	4	34	105	60	60	3	20	5	15	5	18	M5
80 19	70	100	6.5	90	M5	39.5	48	7	8.5	84	194	6	42	136	90	90	3	32	5	20	6	24.5	M6
110 22	110	130	8.5	145	M8	50	62	10	12	116	261	7	58	189.5	120	120	5	40	6	25	10	35	M12
	50 14 80 19	50 14 50 80 19 70	50 14 50 70 80 19 70 100	50 14 50 70 5.5 80 19 70 100 6.5	50 14 50 70 5.5 70 80 19 70 100 6.5 90	50 14 50 70 5.5 70 M4 80 19 70 100 6.5 90 M5 110 22 110 130 8.5 145 M8	50 14 50 70 5.5 70 M4 29 80 19 70 100 6.5 90 M5 39.5 110 22 110 130 8.5 145 M8 50	50 14 50 70 5.5 70 M4 29 37 80 19 70 100 6.5 90 M5 39.5 48 110 22 110 130 8.5 145 M8 50 62	50 14 50 70 5.5 70 M4 29 37 7 80 19 70 100 6.5 90 M5 39.5 48 7 110 22 110 130 8.5 145 M8 50 62 10	50 14 50 70 5.5 70 M4 29 37 7 8 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 110 22 110 130 8.5 145 M8 50 62 10 12	50 14 50 70 5.5 70 M4 29 37 7 8 58 88 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 84 110 22 110 130 8.5 145 M8 50 62 10 12 116	50 14 50 70 5.5 70 M4 29 37 7 8 5 8 134.4 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 84 194 110 22 110 130 8.5 145 M8 50 62 10 12 116 261	50 14 50 70 5.5 70 M4 29 37 7 8 5 134.4 4 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 84 194 6 110 22 110 130 8.5 145 M8 50 62 10 12 116 261 7	50 14 50 70 5.5 70 M4 29 37 7 8 58 1344 4 34 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 84 194 6 42 110 22 110 130 8.5 145 M8 80 62 10 12 116 261 7 58	50 14 50 70 5.5 70 M4 29 37 7 8 58 1344 4 34 105 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 84 194 6 42 136 110 22 110 130 8.5 145 M8 50 62 10 12 116 281 7 58 189.5	50 14 50 70 5.5 70 M4 29 37 7 8 58 1814 4 34 105 60 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 84 194 6 42 136 90 110 22 110 130 8.5 145 M8 50 62 10 12 116 281 7 58 1895 120	50 14 50 70 5.5 70 M4 29 37 7 8 58 134.4 4 34 105 60 60 60 60 19 70 100 6.5 90 M5 39.5 48 7 8.5 84 194 6 42 135 90 91 110 22 110 130 8.5 145 M8 80 62 10 12 16 261 7 88 189.5 120 120	50 14 50 70 5.5 70 M4 29 37 7 8 58 134.4 4 34 105 60 60 3 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 84 194 6 42 136 90 90 3 110 22 110 130 8.5 145 M8 50 62 10 12 116 261 7 58 189.5 120 120 5	50 14 50 70 5.5 70 M4 29 37 7 8 58 1344 4 34 105 60 60 3 20 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 84 194 6 42 136 90 90 3 3 2 110 22 110 130 8.5 145 M8 50 62 10 12 116 281 7 58 189.5 120 120 5 40	50 14 50 70 5.5 70 M4 29 37 7 8 55 8134 4 34 105 60 60 3 20 5 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 84 194 6 42 186 90 90 3 3 32 5 110 22 110 130 8.5 145 M8 60 62 10 12 116 281 7 58 189.5 120 120 5 40 6	50 14 50 70 5.5 70 M4 29 37 7 8 58 13.4 4 34 105 60 60 3 20 5 15 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 84 194 6 42 186 90 90 3 32 5 20 110 22 110 130 8.5 145 M8 50 62 10 12 16 281 7 58 1895 120 120 5 40 6 2	50 14 50 70 5.5 70 M4 29 37 7 8 8 58 1344 4 34 105 60 60 3 20 5 15 5 8 8 1 9 70 100 6.5 90 M5 39.5 48 7 8.5 84 194 6 42 186 90 90 3 32 5 20 6	50 14 50 70 5.5 70 M4 29 37 7 8 58 134.4 4 34 105 60 60 3 20 5 15 5 18 80 19 70 100 6.5 90 M5 39.5 48 7 8.5 84 194 6 42 136 90 90 3 32 5 20 6 24.5 110 22 110 130 8.5 145 M8 50 62 10 12 16 26 17 7 86 188.5 120 120 5 40 6 25 10 35

#### ▶中空旋转平台/Hollow rotating platform

#### PTN系列/PTN Series



- 適用系列。输入端连接方式高度灵活、可搭载各种厂 家的伺服电机、步进电机、行星减速机以及转角器;
- ●旋转面可直接连接工作零件,提升安装方便性:
- ●高精度, 图程间隙0.5arcmin; 中空式的设计,配线配管都方便使用。

- The Strategies | 1. Blookers (# 1977 | Michigan | 1975 | Michig
- ▲型号:060、085、130、200、280、450 ▲比数:5、10、18
- ▲重复定位精度:±15arcsec

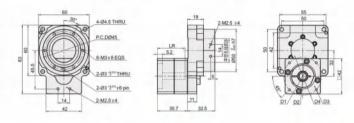
#### ▶PTN060系列中空旋转平台适配马达/PTN060 series hollow rotary platform adaptor motor

透配马达		規格 Specification	步进马达/Stepper motor		
Adaptive motor		Specification	何服马达/servomotor	50W AC	100W AC
旋转平台轴承	Rotary platform bearing	-	交叉滚子轴承	Cross roller be	aring
减速比	Reduction ratio	-	1:5		1:10
容许转矩	Allowable torque	Nm	5		7.5
特动惯量	Moment of inertia	kg•m²	4	300X10 <sup>-6</sup>	
出力允许转速	Allowable output speed	rpm		200	
容许惯性载重(倾侧力矩)	Allowable inertial load	Nm		10	
容许轴向载重	Allowable axial load	N		250	
回程间隙	Return clearance	arcmin		<1	
重复定位精度	Repeated positioning accuracy	arcsec		±15	
旋转平台台面偏差	Deflection of rotating platform surface	e mm		0.01	
旋转平台平行度	Rotating platform parallelism	mm		0.02	
旋转平台同心度	Rotating platform concentricity	mm		0.01	
精度寿命	Precision life	h		20000	
保护等级	Protection class	-		IP40	
東景	Weight	Kg		0.6	

#### ▶PTN060系列中空旋转平台技术参数/Technical parameters of PTN060 series hollow rotating platform

<b>应用实例技术参</b>		規格	直结式行星减速机	/Straight junction planetary reducer	直角式转角器/Right Angle com
	mple technical parameters	Specification	i	PX42	DRS42
			2	-	15
			3	55	15
<b>鞭定输出扭矩</b>	T2N	Nm	4	50	-
Rated outp	ut torque T2N	Nm	5	60	140
			7	50	~
			10	40	-
急停扭矩	Scram torque	Nm	2.5倍于	T <sub>ps</sub> 2.5 times T <sub>ps</sub>	2.5倍于T <sub>28</sub> 2.5 times T <sub>2</sub>
版定输入转速	Rated input speed	rpm		5000	1500
最大输入转速	Maximum input speed	rpm		10000	10000
間程间隙	Return clearance	Nm		≤3	≤3
抗扭刚性	Torsional rigidity	Nm/arcmin		7	1.2
容许径向力	Allowable radial force	N		1530	300
容许轴向力	Allowable axial force	N		630	150
使用寿命	Service life	Hr	20000(连续运转)	降低使用寿命50%) 20000(Centina	ious operation reduces service life by 505
效率	Efficiency	%		96	
工作温度	Operating temperature	70		-15℃-+90℃	
防护等级	Class of protection	-		IP 65	
润滑	Oiling	-	1	合成润滑油脂 Synthetic lub	ricating oil
學音	Noise	dB(A)		≤58	≤62

#### ▶PTN060系列中空旋转平台标准尺寸/PTN060 series hollow rotary platform standard size



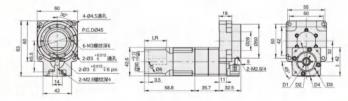
① 系列统格	② 传动比	<b>②输入安装尺寸/Enter mounting dimensions</b>						
	Gear ratio	D1	D2	D3	D4	LR		
		8	30	МЗ	45	30		
PTN060	5	8	30	M4	46	30		
		5	22	3.5	43.8	31.7		

#### PTN060应用范例(订购时请提供马达法兰尺寸)

直结式行星减速机 PX42(单位mm)

PTN060 Application Example (Please provide motor flange size when ordering) Linear planetary reducer PX42(unit mm)





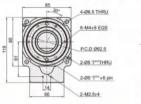
#### ▶PTN085系列中空旋转平台适配马达/PTN085 series hollow rotary platform adaptor motor

透配马达		規格	步进马达/	Stepper mator	42型/	Гуре 42	57型/1	
Adaptive motor	Gauge I	attice	何服马达/	Servomotor	50W AC	100W AC	200W AC	400W AC
旋转平台轴承	Rotary platform bearing	-		32	叉滾子轴承	Cross roller b	earing	
减速比	Reduction ratio	-	1:18	1:5/1:10	1	:18	1:5/	1:10
容许转矩	Allowable torque	Nm	9	20		9	2	0
转动惯量	Moment of inertia.	kg•m²			2	500X10 <sup>-4</sup>		
允许转速	Allowable speed	rpm				200		
容许惯性载重(倾侧力矩)	Allowable inertial load	Nm				18		
容许轴向载重	Allowable axial load	N				500		
回程间隙	Return clearance	arcmin				<1		
重复定位精度	Repeated positioning accuracy	arcsec				± 15		
旋转平台台面偏差	Deflection of rotating platform surface	mm				0.01		
旋转平台平行度	Rotating platform parallelism	mm				0.02		
旋转平台同心度	Rotating platform concentricity	mm				0.01		
精度寿命	Precision Itle	h				20000		
保护等级	Protection class	-				IP40		
重量	weight	Kg				1.2		

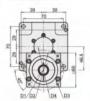
#### ▶PTN085系列中空旋转平台技术参数/Technical parameters of PTN085 series hollow rotating platform

		規格	直结式行星减速机/Straight junction planetary reducer			直角式装集器/Right Angle cor		
B实例技术参数 plication exampl	le technical parameters	pecification		PRF60	PX60		DRS60	
			3	18	55	1	30	
			4	36	50	2	30	
额定输出扭矩 Rated output		Nm	5	40	60	3	30	
riated output	torque rais		7	20	50	5	30	
			10	12	40	-	-	
急停扭矩	Scram torque	Nm	2倍于T <sub>2N</sub>	2times T <sub>24</sub>	2.5倍于T <sub>2N</sub> 2.5 times T <sub>2N</sub>	2倍于T <sub>ax</sub>	2 times T <sub>2N</sub>	
额定输入转速	Rated input speed	rpm	4	000	5000	1	000	
最大输入转速	Maximum input speed	rpm	8	000	10000	2	2000	
回程间隙	Return clearance	Nm		10	≤3		≤3	
转动惯量	Moment of inertia	kg+cm²		-	-	0.06		
抗扭刚性	Torsional rigidity	Nm/arcmin		1.8	7		1.5	
容许径向力	Allowable radial force	N		140	1530	500		
容许轴向力	Allowable axial force	N		20	765		200	
使用寿命	Service life	Hr	20000(连	食运转降低使用	寿命50%) 20000(Cor	ntinuous operation red	uces service life by t	
效率	Efficiency	%			96			
工作温度	Operating temperature	9			-15℃-+90℃			
防护等级	Class of protection	-			IP 65			
润滑	Oiling	-		合成润滑	油脂 Synthetic lul	bricating oil		
場音	Noise	dB(A)	5	61	≤58	-	65	

#### ▶PTN085系列中空旋转平台标准尺寸/PTN085 series hollow rotary platform standard size







東列規格 Series	<b>②传动比</b>	❸ 输入安装尺寸/Enter mounting dimensions						
specification	Gearratio	D1	D2	D3	D4	LR		
		14	50	M4	70	34.5		
	5	14	50	M5	70	34.5		
	10	8	38.1	M4	66.7	34.5		
PTN085		8	30	мз	45	30		
18		8	30	M4	46	30		
	18	5	22	3.5	43.8	30		
		8	38.1	M4	66.7	34.5		

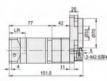
#### PTN085应用范例(订购时请提供马达法兰尺寸)

直结式行星减速机PRF60 (单位mm)

PTN085 Application Example (Please provide motor flange size when ordering) Linear planetary reducer PRF60 (unit mm)

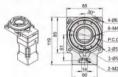


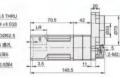






#### 直结式行星减速机 PX60(单位mm) Linear planetary reducer PX60(unit mm)







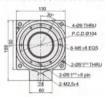
#### ▶PTN130系列中空旋转平台适配马达/PTN130 series hollow rotary platform adaptor motor

透配马达		規格 Specification	步进马达/Stepper motor	57型/Type 57	
Adaptive motor		何服马达/servomotor		200W AC	400W AC
旋转平台轴承	Rotary platform bearing	-	交叉滚子轴承	Cross roller bea	aring
减速比	Reduction ratio	14	1:10		1:18
容许转矩	Allowable torque	Nm	30		18
转动惯量	Moment of inertia	kg•m²	1	5870X10 <sup>-6</sup>	
允许转速	Allowable speed	rpm		200	
容许惯性载重(倾侧力矩)	Allowable inertial load	Nm		45	
容许轴向载重	Allowable axial load	N		2000	
回程间隙	Return clearance	arcmin		≤1	
重复定位精度	Repeated positioning accuracy	arcsec		±15	
旋转平台台面偏差	Deflection of rotating platform surface	e mm		0.01	
旋转平台平行度	Rotating platform parallelism	mm		0.02	
旋转平台同心度	Rotating platform concentricity	mm		0.01	
精度寿命	Precision life	h		20000	
保护等级	Protection class	-		IP40	
重量	weight	Kg		2.5	

#### ▶PTN130系列中空旋转平台技术参数/Technical parameters of PTN130 series hollow rotating platform

		規格	直结式行星减	連机/ Straight jund	tion planetary reducer	直角式转角器/Right Angle con		
用实例技术参数 pplication exampl	le technical parameters	pecification		PRF60	PX60		DRS60	
				18	55	-	30	
			4.	36	50	2	30	
额定输出扭矩 Rated output		Nm	5	40	60	3	30	
riated output	torque i Eli		7	20	50	5	30	
			10	12	40	-	-	
急停扭矩	Scram torque	Nm	2倍于T <sub>2N</sub>	2times T <sub>28</sub>	2.5倍于T <sub>2N</sub> 2.5 times T <sub>2N</sub>	2倍于T <sub>zk</sub>	2 times T <sub>2N</sub>	
额定输入转速	Rated input speed	rpm	4000		5000	1000		
最大输入转速	Maximum input speed	rpm	8	000	10000	2	000	
回程间除	Return clearance	Nm		10	≪3		≤3	
转动惯量	Moment of inertia	kg+cm²		-	-	C	0.06	
抗扭刚性	Torsional rigidity	Nm/arcmin		1.8	7		1.5	
容许径向力	Allowable radial force	N	2	240	1530		500	
容许轴向力	Allowable axial force	N	2	20	765		200	
使用寿命	Service life	Hr	20000(连续	虔运转降低使用	寿命50%) 20000(Con	finuous operation redu	ices service life by 50	
效率	Efficiency	%			96			
工作温度	Operating temperature	70			-15℃-+90℃			
防护等级	Class of protection	-			IP 65			
润滑	Oiling	-		合成润滑	由脳 Synthetic lub	ricating oil		
操音	Noise	dB(A)	S	61	≤58	S	65	

#### ▶PTN130系列中空旋转平台标准尺寸/PTN130 series hollow rotary platform standard size



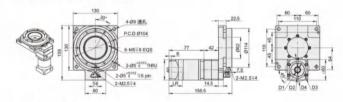




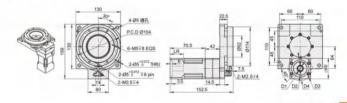
D 原列規格 Series specification	❷传动比 Gearratio		❸ 输入安装尺			
specification	Gearratio	D1	D2	D3	D4	LR
		14	50	M4	70	34.5
PTN130	10	14	50	M5	70	34.5
PINISO		8	38.1	M4	66.7	34.5
	10	14	73	M6	98.4	47

#### PTN130应用范例(订购时请提供马达法兰尺寸) 直结式行星减速机PRF60 (单位mm)

PTN130 Application Example (Please provide motor flange size when ordering) Linear planetary reducer PRF60 (unit mm)



#### 直结式行星减速机 PX60(单位mm) Linear planetary reducer PX60(unit mm)



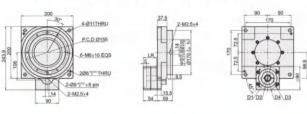
#### ▶PTN200系列中空旋转平台适配马达/PTN200 series hollow rotary platform adaptor motor

质配马达		規格 Specification	步进马达/Stepper motor	8651/Type 86	
Adaptive motor		Specification	假服马达/servomotor	750W AC	
旋转平台轴承	Rotary platform bearing	-	交叉滚子轴承 Cross	roller bearing	
减速比	Reduction ratio	-	1:10	1:18	
容许转矩	Allowable torque	Nm	65	50	
转动惯量	Moment of inertia	kg•m²	108150X	10-1	
允许转速	Allowable speed	rpm	200		
容许惯性载重(倾侧力矩)	Allowable inertial load	Nm	80		
容许轴向载重	Allowable axial load	N	4000		
回程间隙	Return clearance	arcmin	≤1		
重复定位精度	Repeated positioning accuracy	arcsec	± 15		
旋转平台台面偏差	Deflection of rotating platform surface	mm	0.01		
旋转平台平行度	Rotating platform parallelism	mm	0.03		
旋转平台同心度	Rotating platform concentricity	mm	0.01		
精度寿命	Precision life	h	20000	)	
保护等级	Protection class	-	IP40		
重量	weight	Kg	8.0		

#### ▶PTN200系列中空旋转平台技术参数/Technical parameters of PTN200 series hollow rotating platform

		規格	直結式行星液	速机/Straight jun	直角式转角器/Right Angle core		
如用实例技术参数 pplication exampl	le technical parameters	pecification	- 1	PRF80	PA90	- 1	DRS90
			3	40	130	1	60
-	4.50		4	110	140	2	60
额定输出扭矩 Rated output		Nm	5	90	160	3	60
rialed output	torque rais		7	22	140	5	60
			10	22	100	-	-
急停扭矩	Scram torque	Nm	2倍于T <sub>PM</sub>	2times T <sub>2N</sub>	2.5倍于T <sub>2N</sub> 2.5 times T <sub>2N</sub>	2倍于T <sub>28</sub>	2 times T <sub>28</sub>
额定输入转速	Rated input speed	rpm	3	500	4000	1	000
最大输入转速	Maximum input speed	rpm	6	000	8000	2	2000
問程间除	Return clearance	Nm		≤10	≤3		≤3
转动惯量	Moment of inertia	kg+cm²		-	-	0.4	
抗扭刚性	Torsional rigidity	Nm/arcmin		4.7	14	5	
容许径向力"	Allowable radial force	N	4	400	3250	1200	
容许轴向力"	Allowable axial force	N	4	420	1625		500
使用寿命	Service life	Hr	20000(進1	读运转降低使用	寿命50%) 20000(Cor	vinuous operation red	uces service life by 50
效率	Efficiency	%			96		
工作温度	Operating temperature	°C			-15℃~+90℃		
防护等级	Class of protection	2			IP 65		
润滑	Oiling	-		合成润滑	油脂 Synthetic lui	oricating oil	
噪音	Noise	dB(A)	s	63	≤60	5	65

#### ▶PTN200系列中空旋转平台标准尺寸/PTN200 series hollow rotary platform standard size



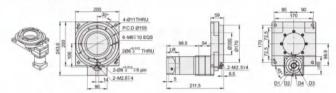
系列規格 Series	Ø 传动比 Gear ratio	❸ 輸入安装尺寸/Enter mounting dimensions						
specification	Gearratio	D1	D2	D3	D4	LR		
		19	70	M5	90	47		
PTN200	10	19	70	M6	90	47		
PINZ00	18	14	73	M6	98.4	47		
		14	60	M6	98.4	47		

PTN200应用范例(订购时请提供马达法兰尺寸)

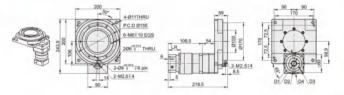
直结式行星减速机PRF80 (单位mm)

PTN200 Application Example (Please provide motor flange size when ordering)

Linear planetary reducer PRF80 (unit mm)



直结式行星减速机 PA90(单位mm) Linear planetary reducer PA90(unit mm)



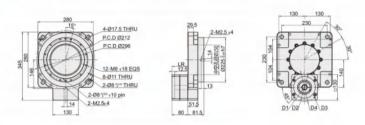
#### ▶PTN280系列中空旋转平台适配马达/PTN280 series hollow rotary platform adaptor motor

适配马达		規格 Specification	步进马达/Stepper motor	110型/Type 110	
Adaptive motor		Specification	何服马达/servomotor	1500W AC	
旋转平台轴承	Rotary platform bearing	-	交叉滚子输承 Cross roller bearing		
减速比	Reduction ratio	-	1:10	1:18	
容许转矩	Allowable torque	Nm	120		
转动惯量	Moment of inertia	kg•m²	146000X10 <sup>-6</sup>		
允许转速	Allowable speed	rpm	200r		
容许惯性载重(倾侧力矩)	Allowable inertial load	Nm	216		
容许轴向载重	Allowable axial load	N	7000		
回程间隙	Return clearance	arcmin	<1		
重复定位精度	Repeated positioning accuracy	arcsec	±15		
旋转平台台面偏差	Deflection of rotating platform surface	mm	0.01		
旋转平台平行度	Rotating platform parallelism	mm	0.03		
旋转平台同心度	Rotating platform concentricity	mm	0.01		
精度寿命	Precision life	h	20000		
保护等级	Protection class	-	IP40		
重量	Weight	Kg	19.0		

#### ▶PTN280系列中空旋转平台技术参数/Technical parameters of PTN280 series hollow rotating platform

t用实例技术参数 pplication example technical parameters		規格	直结式行星减速机/Straight junction planetary reducer		
		Specification	1.	PA120	
颗定输出扭矩 T2N Rated output torque T2N		Nm	3	208	
			4	290	
			5	330	
			7	300	
			10	230	
急停扭矩	Scram torque	Nm	2.5倩于T <sub>zm</sub> 2.5 times T <sub>zm</sub>		
额定输入转速	Rated input speed	rpm	4000		
最大输入转速	Maximum input speed	rpm	8000		
回程间隙	Return clearance	Nm		≤3	
抗扭刚性	Torsional rigidity	Nm/arcmin		25	
容许径向力	Allowable radial force	N		6700	
容许轴向力	Allowable axial force	N	3350		
使用寿命	Service life	Hr	20000(连续运转降低使用寿命50%) 2000(Continuous operation reduces service life by 50		
效率	Efficiency	%	96		
工作温度	Operating temperature	°C	-15℃-+90℃		
防护等级	Class of protection	-		IP 65	
润滑	Oiling	-	合成润滑油脂 Synthetic lubricating oil		
噪音	Noise	dB(A)		≤63	

#### ▶PTN280系列中空旋转平台标准尺寸/PTN280 series hollow rotary platform standard size



● 系列規格 Series specification	❷传动比 Gearratio	❸ 输入安装尺寸/Enter mounting dimensions				
		D1	D2	D3	D4	LR
PTN280	10 18	22	110	M8	145	80
		24	110	M8	145	80
		19	85	M8	132	80

#### PTN280应用范例(订购时请提供马达法兰尺寸)

直结式行星减速机PA120(单位mm)

PTN280 Application Example (Please provide motor flange size when ordering)

Linear planetary reducer PA120(unit mm)

